

Exhibit 14 - Statement A  
**ALLOCATION CONSIDERATIONS**  
prepared for  
**The WBEZ Alliance, Inc.**  
WBEZ(FM) Chicago, Illinois  
Facility ID 66649  
Ch. 218B 5.6 kW 425 m

*The WBEZ Alliance, Inc.*, (“*Alliance*”), is the licensee of non-commercial educational FM radio station WBEZ(FM) (Ch.218B, Chicago, IL, file number BLED-19850628KL). WBEZ is licensed to operate with 8.3 kW effective radiated power (“ERP”) and an antenna height above average terrain (“HAAT”) of 360 meters, using a common antenna formerly employed by various other stations. *Alliance* seeks authorization to replace its main facility with its auxiliary facility (BXLED-20030618AAR), licensed to operate at 5.6 kW and 425 m at the same site. Thus, the instant application specifies an increase in antenna HAAT along with a commensurate reduction in ERP.

The WBEZ main facility employs a common antenna on one of two masts atop the John Hancock Center (FCC ASR number 1009013). Under the instant proposal, WBEZ would employ the existing, multi-station antenna system on the second John Hancock Center mast (FCC ASR number 1009012). No change in coordinates would result.

### **Allocation Considerations**

The instant proposal seeks to increase the height of WBEZ to 425 meters HAAT and use the currently authorized auxiliary antenna system. The specified ERP is 5.6 kilowatts.

Terrain data for the eight “cardinal” radials for the proposed WBEZ were obtained from U.S.G.S. 3 arc-second digitized terrain data. By virtue of Chicago’s proximity to Lake Michigan, four “cardinal” radials pass over a large body of water. Because the 0° and 45° radials do not reach land at the predicted 34 dBμ contour and the entire 3-16 km segments are over water, those radials were omitted per §73.313(d)(2). Conversely, because the 90° and 135° radials do reach land before the 34 dBμ contour is reached, the entire 3 to 16 km section of these radials were used.

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Accordingly, the determination of HAAT was based on the average elevation of six radials. Averaging these six radials, the antenna's resulting HAAT is 425 meters.

An allocation study for the proposed facility shows that the following FM facilities require study in regard to prohibited overlap under §73.509 of the Commission's Rules.

Channel Status	Call Sign Service	City/State File Number	Fac. ID	Latitude Longitude	Power HAAT	Distance Bearing
215A LIC	WDCB FM	GLEN ELLYN, IL BMLED-19840113AF	12281	41 50 36 88 05 00	5.0 91	38.71 260.95
216A APP	980512MP FM	VALPARAISO, IN BPED-19980512MP	90651	41 31 22 87 01 28	0.23 125	65.02 129.89
216A APP	971112MA FM	VALPARAISO, IN BPED-19971112MA	89070	41 31 25 87 01 06	0.15 134	65.35 129.54
216A APP	980512MV FM	SOUTH HAVEN, IN BPED-19980512MV	90705	41 31 25 87 01 06	0.15 135	65.35 129.54
217B APP	NEW FM	NORTH JUDSON, IN BNPED-19991214AAL	122012	41 02 21 86 30 55	50.0 82	132.97 135.64
217B LIC	WNIW FM	LA SALLE, IL BLED-19981229KA	49556	41 24 47 89 16 34	36.0 101	147.89 249.08
218A APP	990719MI FM	JANESVILLE, WI BPED-19990719MI	93903	42 43 47 89 10 10	2.2 118	157.39 306.52
218A LIC	WNIQ FM	STERLING, IL BLED-19981112KA	49557	41 53 52 89 36 20	2.4 100	164.52 270.62
218B LIC	WCIC FM	PEKIN, IL BLED-19981116KA	28301	40 33 28 89 34 04	47.0 154	220.84 228.13
219A APP	990917MI FM	WOODSTOCK, IL BPED-19990917MI	94252	42 24 40 88 28 50	2.0 61	90.89 309.15
219A APP	990917MM FM	WOODSTOCK, IL BPED-19990917MM	94208	42 17 37 88 35 13	5.0 100	91.00 299.22
220B LIC	WJCH FM	JOLIET, IL BLED-19860505KF	20847	41 24 55 88 16 19	50.0 151	76.20 225.29

The attached **Exhibit 14 - Figure 1** depicts the pertinent protected and interfering contours of the co-channel stations listed along with that of the proposed WBEZ facility. The contours were plotted using the actual ERP and height above terrain along each radial for each facility, as specified in §73.509(c). For the facilities under study, the antenna elevation above mean sea level, geographic coordinates, and ERP (including directional antenna relative field values, where

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appropriate) were retrieved from the FCC's engineering database. The requisite contours were determined using U.S.G.S. 3-second digitized terrain data along each radial of interest from each transmitter site and an implementation of the Commission's TVFMFS computer program which simulates the FM propagation curves. The F(50,10) distances are used to calculate distance to interfering contours, however if the distance is less than 16 km the F(50,50) curves are used, as specified by §73.509(c)(1).

The contours shown in **Exhibit 14 - Figure 2** depict allocation considerations for the first-adjacent stations. The WBEZ interfering contour comes nearest to two mutually exclusive applications for Channel 219A in Woodstock, Illinois. In order to show that no prohibited contour overlap would occur with the proposed WBEZ, detailed contour maps **Exhibit 14 - Figure 2A** and **2B** are provided. Additionally, two "FM Over" studies (**Exhibit 14 - Table 1A** and **1B**) show tabulated data of each application facility protected contour, at one-degree increments. At each azimuth, the distance to the application facility's protected contour is shown, along with the distance and bearing to each point along the protected contour from the proposed WBEZ. The far right "Actual dBμ" column depicts the WBEZ interfering contour level at the location of each application facility's protected contour. Notably, the WBEZ interfering field strength never reaches 54 dBμ at any of these points. Therefore, it is demonstrated that prohibited contour overlap does not occur with respect to either Woodstock application facility. The contour distances were calculated as described previously, using U.S.G.S. 3-second digitized terrain data.

A study of the second and third adjacent stations, shown in **Exhibit 14 - Figure 2**, reveals prohibited contour overlap of WDCB Channel 215A. However, this overlap already exists and no change to the overlap area is predicted. Thus, according to §73.509(d), this overlap is of no consequence in the context of the instant application. The remaining second and third adjacent station contours are sufficiently distant to be of no concern.

Allocation studies indicate that there will be no prohibited contour overlap from the proposed WBEZ with any other co-channel, second or third adjacent channel stations, due to the

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large distances to the nearest such facilities (except as discussed above). Thus, the proposed WBEZ facility fully complies with the prohibited overlap criteria of §73.509.

A spacing study was performed as required by §73.507(a) with respect to Channel 221 (third adjacent to WBEZ) and §73.507(c) regarding facilities differing in frequency by 10.6 or 10.8 MHz from the proposal. The proposed facility meets the minimum distance separation requirements of §73.207 in all such instances. The nearest stations on the pertinent channels are summarized below.

Channel Status	Call Sign Service	City/State File Number	Fac. ID	Latitude Longitude	Power HAAT	Distance Bearing	Required Clear
221A LIC	WEZY FM	RACINE, WI BLH-19931025KB	41438	42 45 36 87 57 53	2.7 150	99.71 343.77	69.00 30.71
272A LIC	WXLC FM	WAUKEGAN, IL BLH-19850122LR	10451	42 20 59 87 52 53	3.0 98	54.44 337.06	15.00 39.44
272A LIC	WYCA FM	CRETE, IL BLH-20000124AAU	73700	41 19 32 87 37 15	1.05 152	63.68 179.83	15.00 48.68

### TV Channel 6 Considerations

Under §73.525(a)(1), an affected TV Channel 6 station must be considered with a proposed non-commercial educational facility on Channel 218 if the distance between the respective transmitter sites is 166 km or less. Within the 166 km radius of the proposed WBEZ facility, the only TV Channel 6 facility is that of WITI(TV), Milwaukee, Wisconsin (BLCT-19990129KT), at a distance of 134 km. Using the procedures specified in §73.525 and §73.599 of the Commission's Rules, the WBEZ interfering contour was determined and, as shown in **Exhibit 14 - Figure 4**, was found to be well outside the WITI(TV) Grade B contour. Accordingly, the instant proposal complies with the television Channel 6 protection criteria of §73.525.

### Principal Community Coverage

The entirety of the principal community of Chicago, Illinois is encompassed by the proposed WBEZ 60 dBμ contour, thus satisfying the requirements of §73.515.

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**Other Considerations**

Many television and FM facilities operate from the John Hancock Center, and the proposal involves a common antenna with several other FM stations. However, because the common antenna is already authorized as the WBEZ auxiliary facility, measurements of spurious emissions have already been conducted. The technical report regarding the common antenna, along with a certification that the WBEZ facility complies with §73.317(b) through (d) of the Commission's Rules, is on file with the Commission (see BXLED-20030618AAR). Because this information is already on record with the FCC and the instant proposal seeks to authorize the WBEZ auxiliary antenna as the main, *WBEZ* respectfully requests that the Construction Permit sought herein not contain a condition to provide an additional spurious measurement report.

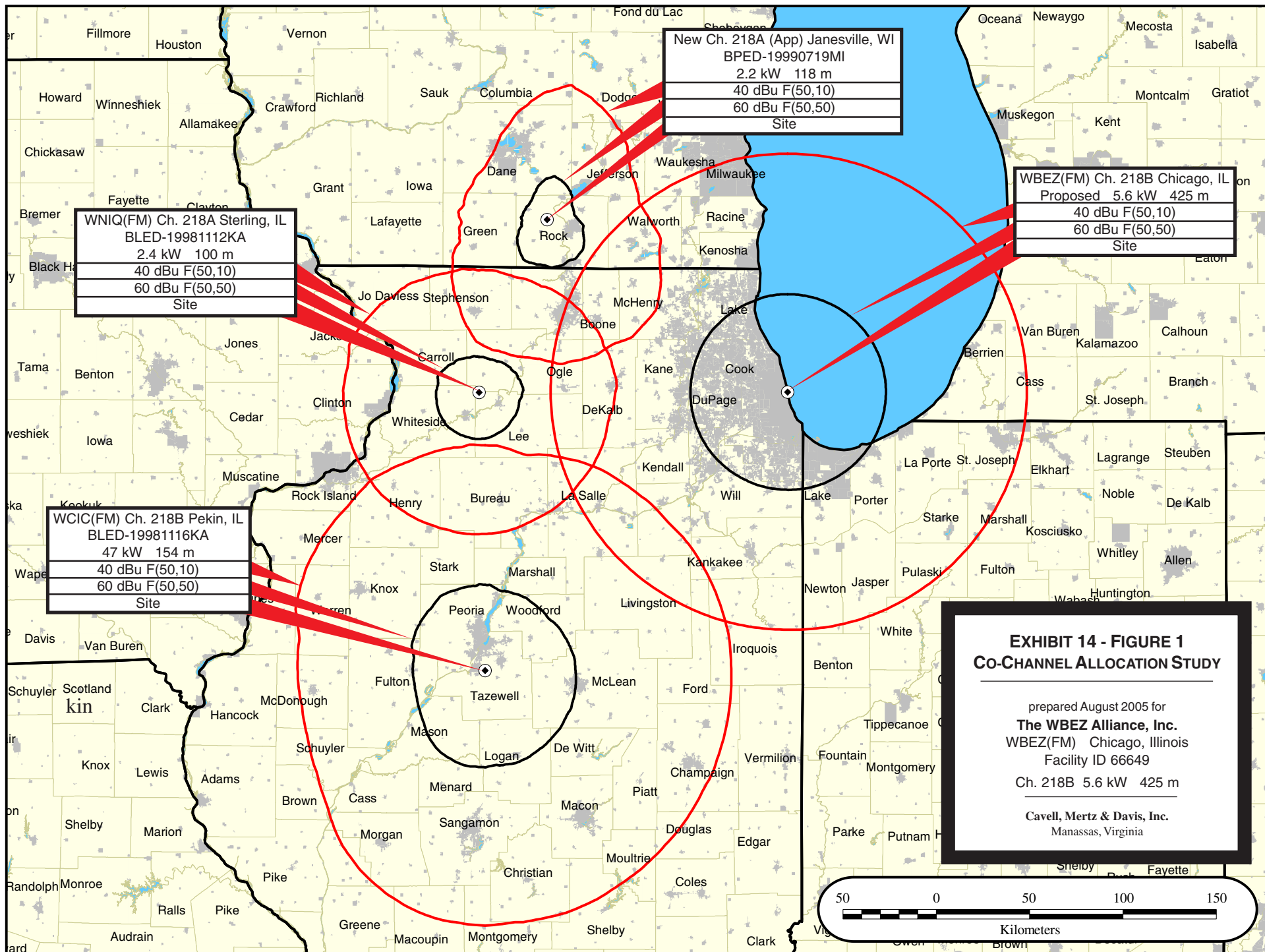
Based on data extracted from the FCC's CDBS database, there are no AM stations within 3.2 kilometers of the proposed facility.

The nearest FCC monitoring station is at Allegan, Michigan, at a distance of 158.4 km from the proposed site. The proposed site exceeds by a great margin the minimum distance specified in §73.1030(c)(3)(iii) that would suggest consideration of the monitoring station.

The U.S. - Canadian agreement calls for protection consideration for stations within 320 km of the border. As the WBEZ site is located at least 370 km from the nearest point on the U.S. - Canadian Border, the proposed facility does not require coordination as referenced under §73.207(b)(2) of the Commission's Rules.

**Conclusion**

It is thus believed, based on the foregoing, that the facility proposed herein will satisfy all of the pertinent Commission Rules and Policies now in effect regarding allocation matters.



## EXHIBIT 14 - FIGURE 2 FIRST ADJACENT ALLOCATION STUDY

prepared August 2005 for  
**The WBEZ Alliance, Inc.**  
WBEZ(FM) Chicago, Illinois  
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Ch. 218B 5.6 kW 425 m

Cavell, Mertz & Davis, Inc.  
Manassas, Virginia

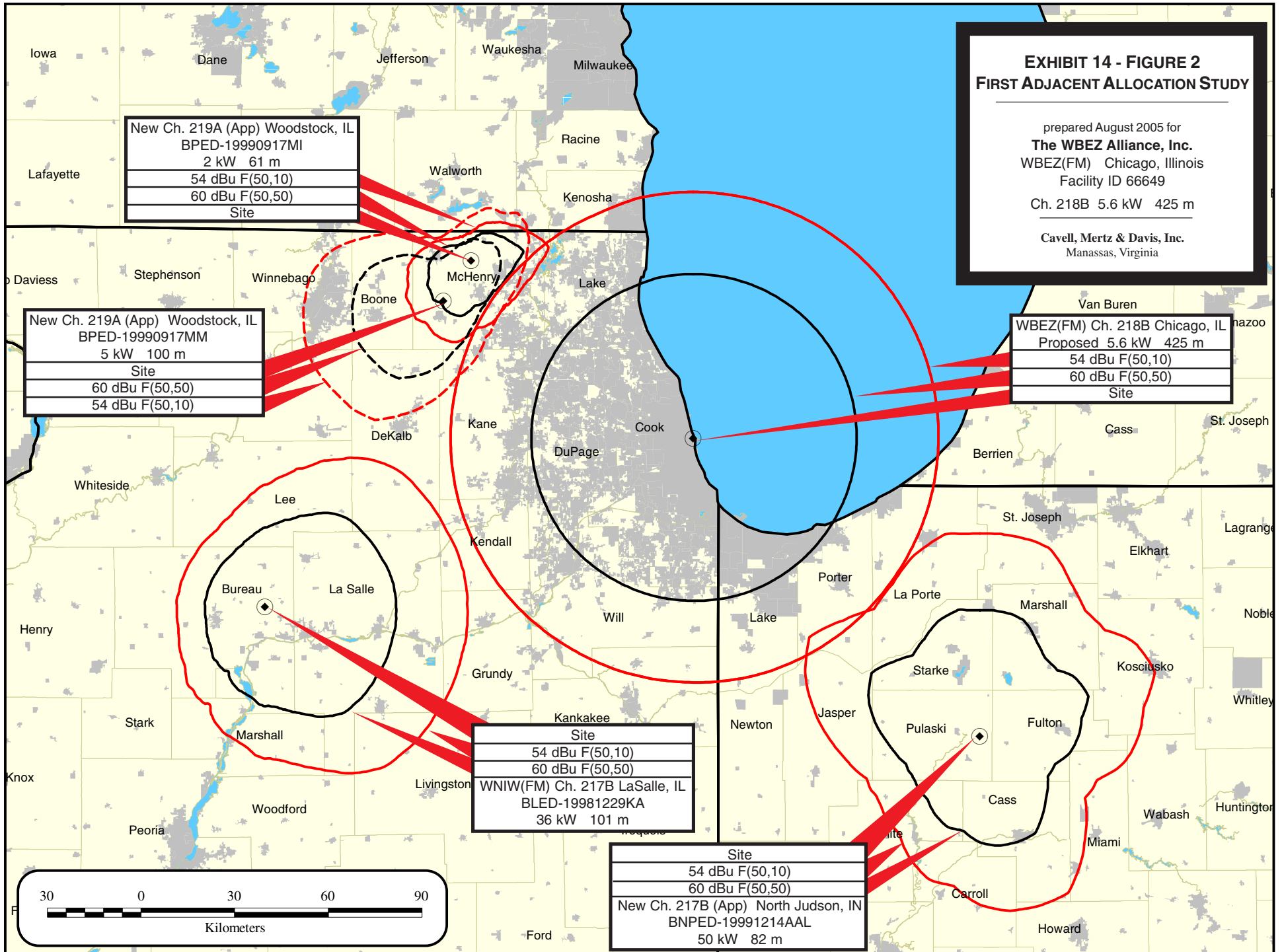
New Ch. 219A (App) Woodstock, IL  
BPED-19990917MI  
2 kW 61 m  
54 dBu F(50,10)  
60 dBu F(50,50)  
Site

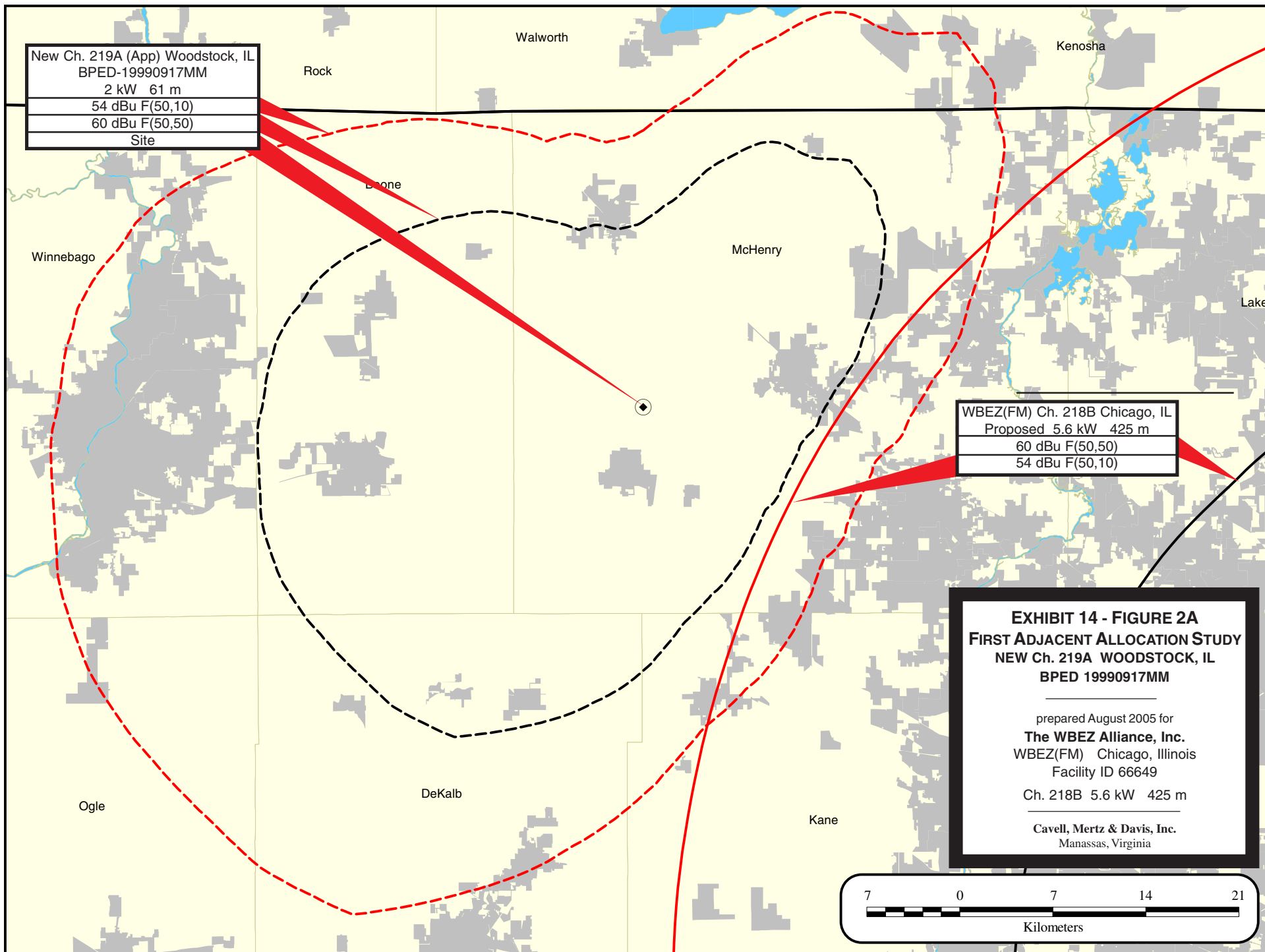
New Ch. 219A (App) Woodstock, IL  
BPED-19990917MM  
5 kW 100 m  
Site  
60 dBu F(50,50)  
54 dBu F(50,10)

WBEZ(FM) Ch. 218B Chicago, IL  
Proposed 5.6 kW 425 m  
54 dBu F(50,10)  
60 dBu F(50,50)  
Site

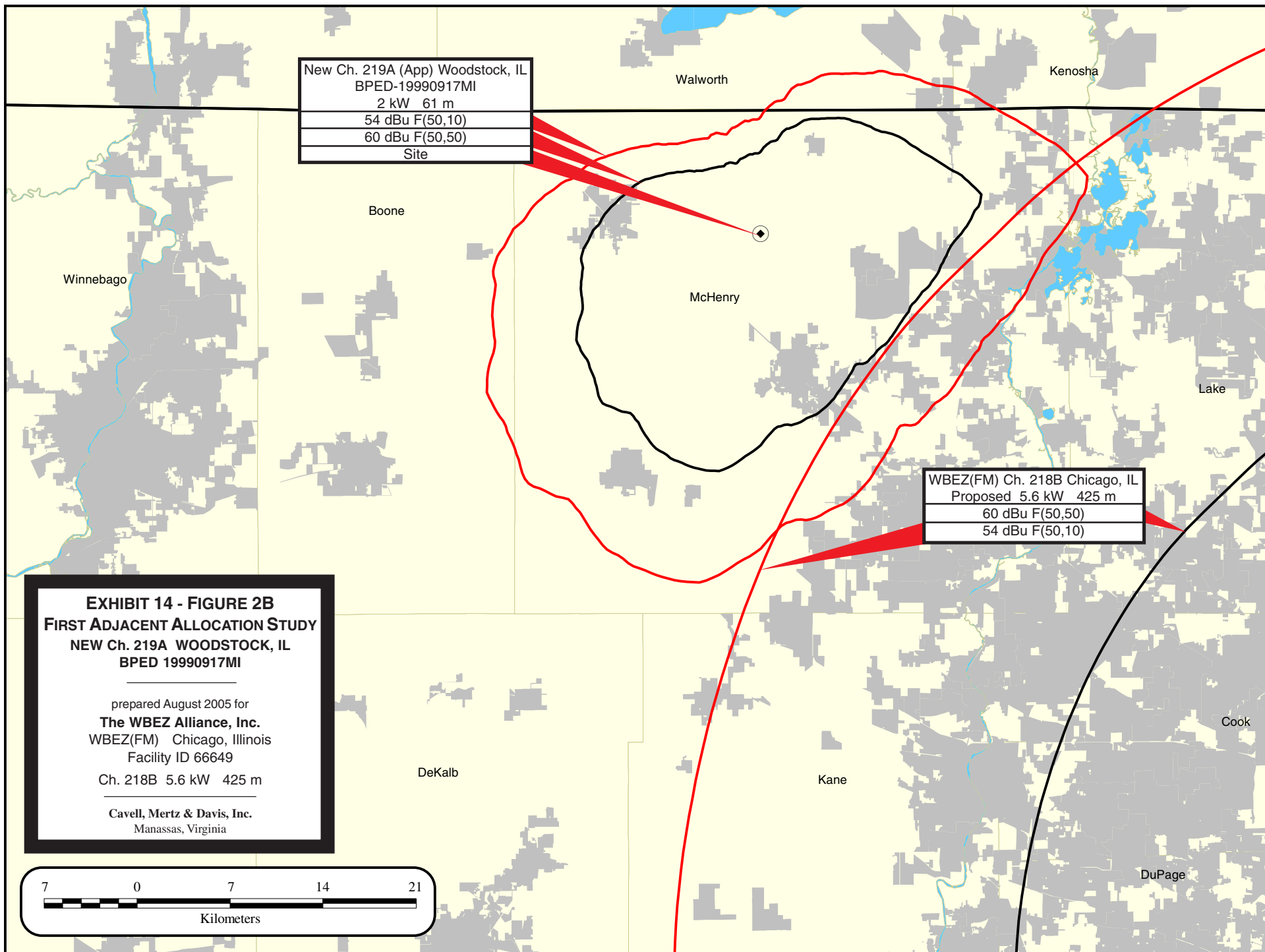
Site  
54 dBu F(50,10)  
60 dBu F(50,50)  
WNIW(FM) Ch. 217B LaSalle, IL  
BLED-19981229KA  
36 kW 101 m

Site  
54 dBu F(50,10)  
60 dBu F(50,50)  
New Ch. 217B (App) North Judson, IN  
BNPED-19991214AAL  
50 kW 82 m









New Ch. 219A (App) Woodstock, IL
BPED-19990917MI
2 kW 61 m
54 dBu F(50,10)
60 dBu F(50,50)
Site

WBEZ(FM) Ch. 218B Chicago, IL
Proposed 5.6 kW 425 m
60 dBu F(50,50)
54 dBu F(50,10)

**EXHIBIT 14 - FIGURE 2B**  
**FIRST ADJACENT ALLOCATION STUDY**  
**NEW Ch. 219A WOODSTOCK, IL**  
**BPED 19990917MI**

prepared August 2005 for  
**The WBEZ Alliance, Inc.**  
WBEZ(FM) Chicago, Illinois  
Facility ID 66649  
Ch. 218B 5.6 kW 425 m

**Cavell, Mertz & Davis, Inc.**  
Manassas, Virginia

7 0 7 14 21  
Kilometers

Exhibit 14 – Table 1A  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MM**  
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07-28-2005    03 Sec. Terrain Data

BPED19990917MM  
Channel = 219A  
Max ERP = 5 kW  
RCAMSL = 365 M  
N. Lat = 42 17 37  
W. Lng = 88 35 13  
Protected  
60 dBu

WBEZ  
Channel = 218B  
Max ERP = 5.6 kW  
RCAMSL = 606 M  
N. Lat = 41 53 56  
W. Lng = 87 37 23  
Interfering  
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
059.0	001.7334	0097.3	021.0	311.9	005.6000	0421.9	082.4	52.52
060.0	001.6474	0097.0	020.8	311.7	005.6000	0421.9	082.1	52.60
061.0	001.5809	0096.9	020.5	311.4	005.6000	0422.4	081.9	52.71
062.0	001.5158	0096.7	020.3	311.2	005.6000	0422.4	081.6	52.79
063.0	001.4521	0096.4	020.0	310.9	005.6000	0422.4	081.4	52.87
064.0	001.3897	0096.0	019.8	310.7	005.6000	0422.4	081.2	52.94
065.0	001.3287	0095.5	019.5	310.4	005.6000	0422.8	081.0	53.01
066.0	001.2691	0094.8	019.2	310.1	005.6000	0422.8	080.8	53.07
067.0	001.2108	0094.2	018.9	309.8	005.6000	0422.8	080.7	53.13
068.0	001.1539	0093.5	018.6	309.5	005.6000	0422.9	080.5	53.18
069.0	001.0984	0093.1	018.3	309.2	005.6000	0422.9	080.4	53.22
070.0	001.0442	0092.6	018.0	308.9	005.6000	0422.9	080.3	53.26
071.0	001.0017	0092.0	017.8	308.6	005.6000	0422.9	080.1	53.30
072.0	000.9601	0091.5	017.5	308.3	005.6000	0422.7	080.0	53.34
073.0	000.9193	0091.2	017.3	308.1	005.6000	0422.7	079.9	53.37
074.0	000.8795	0091.4	017.1	307.8	005.6000	0422.7	079.8	53.42
075.0	000.8405	0091.6	016.9	307.6	005.6000	0422.7	079.7	53.46
076.0	000.8024	0092.0	016.7	307.4	005.6000	0422.6	079.5	53.49
077.0	000.7652	0092.2	016.5	307.1	005.6000	0422.6	079.4	53.52
078.0	000.7289	0091.9	016.2	306.9	005.6000	0422.6	079.4	53.54
079.0	000.6934	0091.6	016.0	306.6	005.6000	0422.6	079.4	53.54
080.0	000.6588	0091.3	015.7	306.3	005.6000	0422.5	079.3	53.55
081.0	000.6323	0090.7	015.5	306.0	005.6000	0422.5	079.3	53.56
082.0	000.6062	0090.3	015.3	305.8	005.6000	0422.5	079.3	53.57
083.0	000.5807	0089.6	015.0	305.5	005.6000	0422.5	079.3	53.57
084.0	000.5558	0088.3	014.7	305.3	005.6000	0422.4	079.3	53.55
085.0	000.5314	0087.9	014.5	305.0	005.6000	0422.4	079.3	53.55
086.0	000.5075	0087.7	014.4	304.8	005.6000	0422.4	079.3	53.56
087.0	000.4842	0087.9	014.2	304.6	005.6000	0422.4	079.3	53.57
088.0	000.4615	0088.1	014.0	304.4	005.6000	0422.3	079.3	53.57
089.0	000.4393	0088.4	013.9	304.2	005.6000	0422.3	079.2	53.58
090.0	000.4176	0088.4	013.7	304.0	005.6000	0422.3	079.2	53.58
091.0	000.4007	0088.6	013.6	303.8	005.6000	0422.3	079.2	53.58
092.0	000.3842	0088.9	013.5	303.6	005.6000	0422.3	079.2	53.59
093.0	000.3680	0089.5	013.4	303.4	005.6000	0422.2	079.2	53.60
094.0	000.3522	0090.4	013.3	303.2	005.6000	0422.2	079.1	53.62
095.0	000.3367	0091.6	013.2	303.0	005.6000	0422.2	079.1	53.64
096.0	000.3216	0092.6	013.2	302.9	005.6000	0422.2	079.0	53.65
097.0	000.3068	0093.2	013.1	302.7	005.6000	0422.2	079.0	53.65
098.0	000.2923	0093.1	012.9	302.5	005.6000	0422.0	079.1	53.63
099.0	000.2782	0092.9	012.7	302.3	005.6000	0422.0	079.1	53.60
100.0	000.2645	0092.4	012.5	302.1	005.6000	0422.0	079.2	53.57
101.0	000.2576	0091.8	012.4	301.9	005.6000	0422.0	079.3	53.56

Exhibit 14 – Table 1A  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MM**  
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Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
102.0	000.2509	0091.3	012.3	301.7	005.6000	0422.0	079.3	53.55
103.0	000.2442	0090.9	012.2	301.6	005.6000	0422.0	079.3	53.54
104.0	000.2376	0091.2	012.2	301.4	005.6000	0421.7	079.3	53.54
105.0	000.2311	0092.6	012.2	301.3	005.6000	0421.7	079.3	53.56
106.0	000.2247	0093.9	012.2	301.1	005.6000	0421.7	079.2	53.58
107.0	000.2184	0094.8	012.1	301.0	005.6000	0421.7	079.2	53.58
108.0	000.2122	0095.5	012.1	300.8	005.6000	0421.7	079.2	53.59
109.0	000.2060	0096.4	012.1	300.7	005.6000	0421.7	079.2	53.59
110.0	000.2000	0097.6	012.0	300.5	005.6000	0421.4	079.1	53.59
111.0	000.1970	0098.4	012.1	300.3	005.6000	0421.4	079.1	53.60
112.0	000.1940	0098.9	012.0	300.2	005.6000	0421.4	079.1	53.61
113.0	000.1911	0099.3	012.0	300.0	005.6000	0421.4	079.1	53.61
114.0	000.1882	0099.4	012.0	299.9	005.6000	0421.4	079.1	53.60
115.0	000.1853	0100.0	012.0	299.7	005.6000	0421.4	079.1	53.60
116.0	000.1824	0100.9	012.0	299.6	005.6000	0421.4	079.1	53.61
117.0	000.1796	0102.0	012.0	299.4	005.6000	0421.2	079.0	53.61
118.0	000.1767	0103.1	012.0	299.3	005.6000	0421.2	079.0	53.62
119.0	000.1739	0104.1	012.0	299.1	005.6000	0421.2	079.0	53.62
120.0	000.1711	0105.1	012.0	299.0	005.6000	0421.2	079.0	53.62
121.0	000.1702	0106.5	012.1	298.8	005.6000	0421.2	079.0	53.64
122.0	000.1693	0108.0	012.1	298.7	005.6000	0421.2	078.9	53.66
123.0	000.1684	0108.9	012.2	298.5	005.6000	0421.2	078.9	53.66
124.0	000.1674	0109.3	012.2	298.4	005.6000	0420.9	078.9	53.65
125.0	000.1665	0109.5	012.2	298.2	005.6000	0420.9	078.9	53.64
126.0	000.1656	0109.8	012.2	298.1	005.6000	0420.9	079.0	53.63
127.0	000.1647	0109.8	012.2	297.9	005.6000	0420.9	079.0	53.61
128.0	000.1638	0109.4	012.1	297.8	005.6000	0420.9	079.1	53.59
129.0	000.1629	0109.0	012.1	297.6	005.6000	0420.9	079.2	53.56
130.0	000.1620	0108.6	012.0	297.5	005.6000	0420.7	079.3	53.53
131.0	000.1656	0108.3	012.1	297.3	005.6000	0420.7	079.3	53.53
132.0	000.1693	0108.2	012.2	297.2	005.6000	0420.7	079.3	53.53
133.0	000.1730	0108.3	012.2	297.0	005.6000	0420.7	079.2	53.53
134.0	000.1767	0108.7	012.3	296.8	005.6000	0420.7	079.2	53.53
135.0	000.1805	0109.0	012.4	296.7	005.6000	0420.7	079.2	53.54
136.0	000.1843	0109.5	012.5	296.5	005.6000	0420.5	079.2	53.53
137.0	000.1882	0110.2	012.6	296.3	005.6000	0420.5	079.2	53.54
138.0	000.1921	0110.9	012.7	296.1	005.6000	0420.5	079.2	53.55
139.0	000.1960	0111.1	012.8	296.0	005.6000	0420.5	079.2	53.54
140.0	000.2000	0111.1	012.8	295.8	005.6000	0420.5	079.2	53.53
141.0	000.2103	0110.6	012.9	295.6	005.6000	0420.5	079.2	53.53
142.0	000.2209	0109.9	013.1	295.4	005.6000	0420.2	079.2	53.53
143.0	000.2318	0108.9	013.2	295.2	005.6000	0420.2	079.2	53.52
144.0	000.2429	0108.0	013.3	295.1	005.6000	0420.2	079.3	53.51
145.0	000.2543	0107.5	013.4	294.9	005.6000	0420.2	079.3	53.51
146.0	000.2659	0107.0	013.5	294.7	005.6000	0420.2	079.3	53.50
147.0	000.2778	0106.3	013.6	294.5	005.6000	0420.2	079.3	53.49
148.0	000.2899	0105.7	013.7	294.3	005.6000	0419.9	079.4	53.47
149.0	000.3023	0105.0	013.8	294.1	005.6000	0419.9	079.4	53.45
150.0	000.3150	0104.4	013.9	293.9	005.6000	0419.9	079.5	53.43
151.0	000.3313	0103.6	014.0	293.8	005.6000	0419.9	079.5	53.41
152.0	000.3480	0102.9	014.2	293.6	005.6000	0419.9	079.6	53.39
153.0	000.3650	0102.1	014.3	293.4	005.6000	0419.7	079.7	53.36
154.0	000.3825	0101.3	014.4	293.2	005.6000	0419.7	079.7	53.34
155.0	000.4004	0100.7	014.5	293.0	005.6000	0419.7	079.8	53.31
156.0	000.4188	0100.2	014.7	292.8	005.6000	0419.7	079.9	53.29

Exhibit 14 – Table 1A  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MM**  
(page 3 of 3)

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
157.0	000.4375	0099.4	014.8	292.6	005.6000	0419.7	080.0	53.25
158.0	000.4566	0098.6	014.9	292.4	005.6000	0419.4	080.1	53.20
159.0	000.4762	0097.6	014.9	292.2	005.6000	0419.4	080.2	53.16
160.0	000.4961	0096.9	015.0	292.1	005.6000	0419.4	080.4	53.12
161.0	000.5220	0096.3	015.2	291.9	005.6000	0419.4	080.5	53.09
162.0	000.5485	0095.7	015.4	291.7	005.6000	0419.4	080.6	53.05
163.0	000.5756	0095.1	015.5	291.5	005.6000	0419.0	080.7	53.00
164.0	000.6034	0094.6	015.7	291.2	005.6000	0419.0	080.8	52.96
165.0	000.6319	0094.2	015.8	291.0	005.6000	0419.0	080.9	52.92
166.0	000.6610	0093.7	016.0	290.8	005.6000	0419.0	081.1	52.87
167.0	000.6908	0093.4	016.1	290.6	005.6000	0419.0	081.2	52.83
168.0	000.7212	0093.0	016.3	290.4	005.6000	0418.8	081.4	52.77
169.0	000.7523	0092.7	016.5	290.2	005.6000	0418.8	081.5	52.72
170.0	000.7841	0093.1	016.7	290.0	005.6000	0418.8	081.7	52.67
171.0	000.8250	0093.7	017.0	289.7	005.6000	0418.8	081.8	52.63
172.0	000.8669	0094.2	017.3	289.4	005.6000	0418.7	081.9	52.59
173.0	000.9099	0094.8	017.6	289.1	005.6000	0418.7	082.0	52.54
174.0	000.9540	0095.6	017.9	288.8	005.6000	0418.7	082.2	52.49
175.0	000.9990	0096.4	018.2	288.6	005.6000	0418.7	082.4	52.43
176.0	001.0452	0097.4	018.5	288.3	005.6000	0418.6	082.5	52.37
177.0	001.0923	0098.4	018.9	288.0	005.6000	0418.6	082.7	52.31
178.0	001.1405	0100.1	019.3	287.6	005.6000	0418.6	082.9	52.25
179.0	001.1897	0100.9	019.5	287.4	005.6000	0418.5	083.1	52.17

**Exhibit 14 – Table 1B**  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MI**  
(page 1 of 3)

07-28-2005    03 Sec. Terrain Data

BPED19990917MI  
Channel = 219A  
Max ERP = 2 kW  
RCAMSL = 340 M  
N. Lat = 42 24 40  
W. Lng = 88 28 50  
Protected  
60 dBu

WBEZ  
Channel = 218B  
Max ERP = 5.6 kW  
RCAMSL = 606 M  
N. Lat = 41 53 56  
W. Lng = 87 37 23  
Interfering  
54 dBu

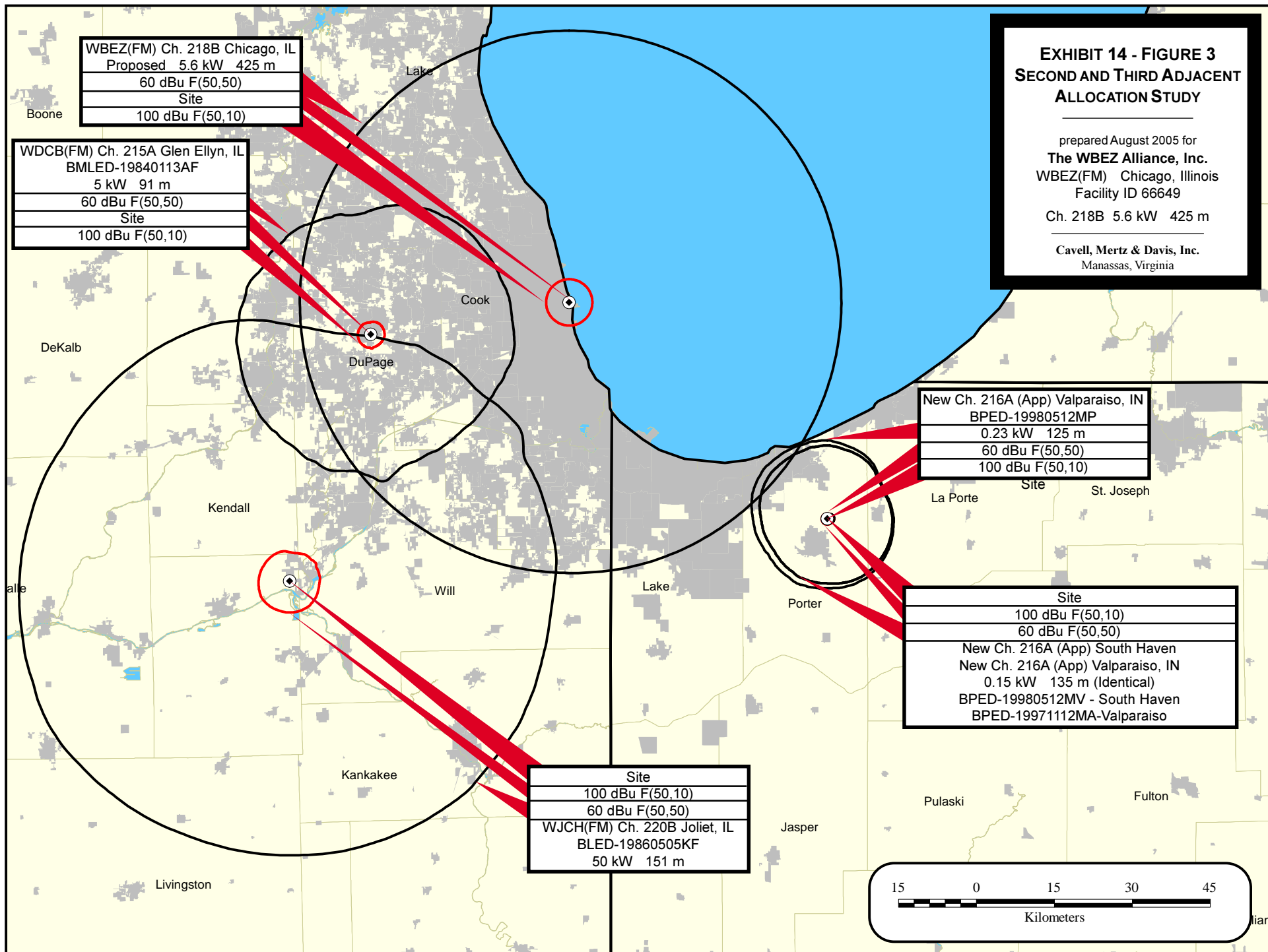
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
069.0	000.7641	0073.7	014.6	317.7	005.6000	0420.1	084.5	51.77
070.0	000.7888	0074.4	014.8	317.7	005.6000	0420.1	084.2	51.87
071.0	000.8177	0075.1	015.0	317.8	005.6000	0420.1	083.8	51.98
072.0	000.8471	0075.9	015.2	317.9	005.6000	0420.1	083.5	52.09
073.0	000.8770	0077.2	015.5	317.9	005.6000	0420.1	083.2	52.21
074.0	000.9075	0078.1	015.7	318.0	005.6000	0420.1	082.8	52.33
075.0	000.9385	0078.4	015.9	318.0	005.6000	0420.1	082.5	52.44
076.0	000.9699	0078.7	016.1	318.1	005.6000	0420.1	082.1	52.55
077.0	001.0020	0079.1	016.3	318.1	005.6000	0420.1	081.8	52.66
078.0	001.0345	0079.4	016.5	318.1	005.6000	0420.1	081.5	52.78
079.0	001.0676	0079.8	016.7	318.1	005.6000	0420.1	081.1	52.89
080.0	001.1011	0080.2	016.9	318.1	005.6000	0420.1	080.8	53.01
081.0	001.0676	0080.7	016.8	317.9	005.6000	0420.1	080.6	53.07
082.0	001.0345	0081.1	016.7	317.8	005.6000	0420.1	080.4	53.14
083.0	001.0020	0081.1	016.5	317.6	005.6000	0420.1	080.2	53.19
084.0	000.9699	0079.7	016.2	317.3	005.6000	0419.8	080.2	53.19
085.0	000.9385	0079.5	016.0	317.0	005.6000	0419.8	080.1	53.23
086.0	000.9075	0079.5	015.9	316.8	005.6000	0419.8	080.0	53.27
087.0	000.8770	0079.1	015.7	316.6	005.6000	0419.8	079.9	53.30
088.0	000.8471	0078.9	015.5	316.4	005.6000	0419.8	079.8	53.32
089.0	000.8177	0078.2	015.3	316.1	005.6000	0419.8	079.7	53.34
090.0	000.7888	0077.8	015.1	315.9	005.6000	0419.8	079.7	53.36
091.0	000.7641	0077.0	014.9	315.7	005.6000	0419.8	079.6	53.37
092.0	000.7398	0075.9	014.7	315.4	005.6000	0420.2	079.6	53.39
093.0	000.7159	0075.3	014.5	315.2	005.6000	0420.2	079.6	53.40
094.0	000.6924	0075.0	014.3	315.0	005.6000	0420.2	079.5	53.42
095.0	000.6693	0074.9	014.2	314.8	005.6000	0420.2	079.5	53.44
096.0	000.6466	0075.4	014.1	314.6	005.6000	0420.2	079.4	53.47
097.0	000.6243	0075.9	014.0	314.4	005.6000	0420.7	079.3	53.52
098.0	000.6024	0076.2	014.0	314.3	005.6000	0420.7	079.2	53.54
099.0	000.5808	0076.7	013.9	314.1	005.6000	0420.7	079.1	53.56
100.0	000.5597	0077.2	013.8	313.9	005.6000	0420.7	079.1	53.59
101.0	000.5425	0077.8	013.7	313.7	005.6000	0420.7	079.0	53.61
102.0	000.5255	0078.6	013.7	313.6	005.6000	0420.7	078.9	53.65
103.0	000.5088	0079.2	013.6	313.4	005.6000	0421.3	078.8	53.69
104.0	000.4924	0079.5	013.6	313.2	005.6000	0421.3	078.8	53.70
105.0	000.4763	0079.4	013.4	313.0	005.6000	0421.3	078.8	53.71
106.0	000.4604	0079.9	013.4	312.9	005.6000	0421.3	078.7	53.72
107.0	000.4448	0080.5	013.3	312.7	005.6000	0421.3	078.7	53.73
108.0	000.4295	0080.6	013.2	312.5	005.6000	0421.9	078.7	53.75
109.0	000.4144	0080.3	013.1	312.3	005.6000	0421.9	078.7	53.74
110.0	000.3996	0079.9	012.9	312.1	005.6000	0421.9	078.8	53.72
111.0	000.3996	0079.2	012.9	311.9	005.6000	0421.9	078.7	53.74

**Exhibit 14 – Table 1B**  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MI**  
(page 2 of 3)

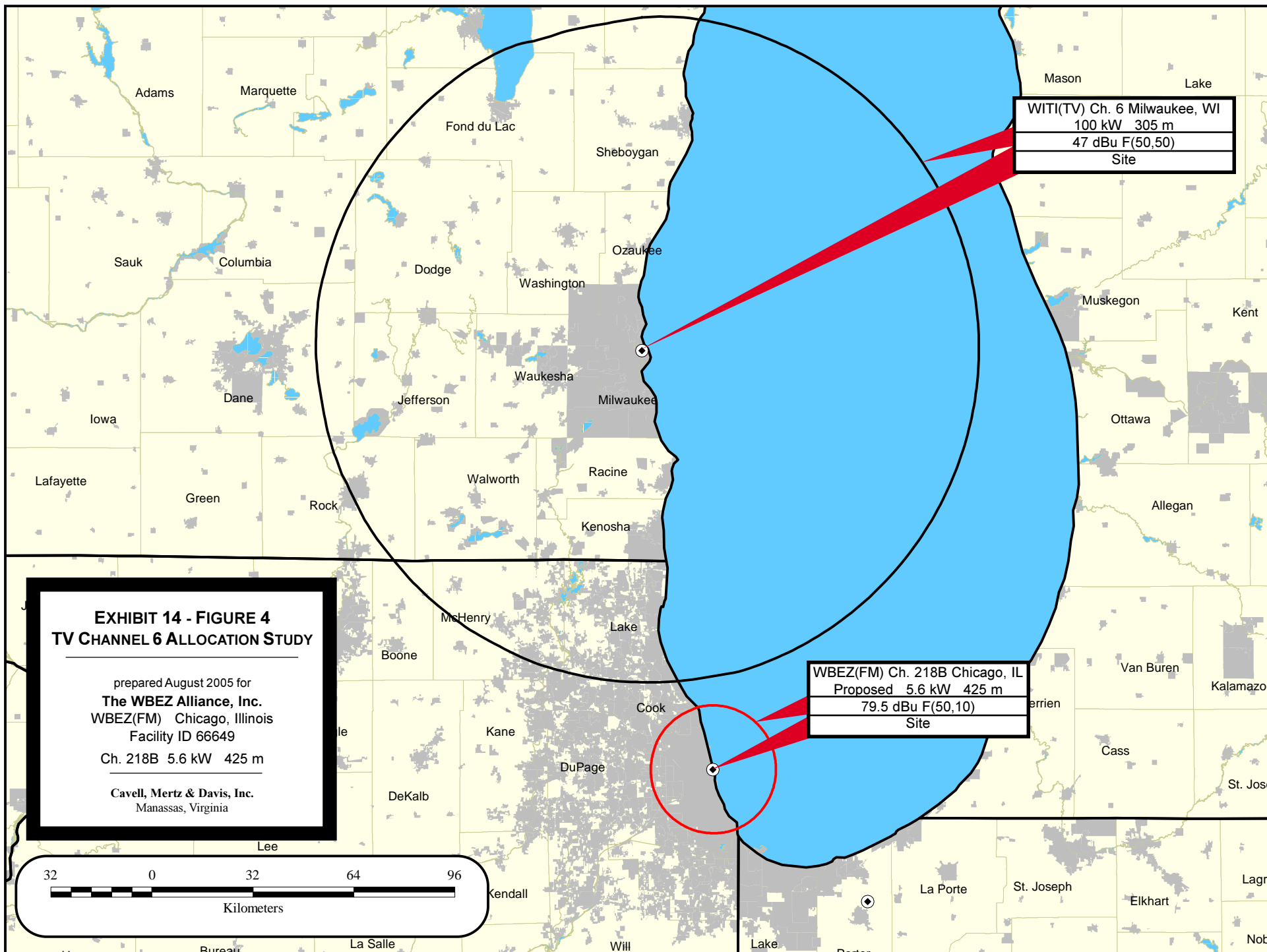
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
112.0	000.3996	0078.5	012.8	311.8	005.6000	0421.9	078.7	53.75
113.0	000.3996	0077.8	012.8	311.6	005.6000	0421.9	078.7	53.75
114.0	000.3996	0076.8	012.7	311.4	005.6000	0422.4	078.7	53.76
115.0	000.3996	0075.6	012.6	311.3	005.6000	0422.4	078.7	53.75
116.0	000.3996	0074.9	012.5	311.1	005.6000	0422.4	078.7	53.76
117.0	000.3996	0075.3	012.6	311.0	005.6000	0422.4	078.6	53.78
118.0	000.3996	0075.5	012.6	310.8	005.6000	0422.4	078.6	53.81
119.0	000.3996	0075.0	012.6	310.6	005.6000	0422.4	078.6	53.81
120.0	000.3996	0074.7	012.5	310.5	005.6000	0422.8	078.5	53.82
121.0	000.3996	0074.6	012.5	310.3	005.6000	0422.8	078.5	53.83
122.0	000.3996	0074.3	012.5	310.2	005.6000	0422.8	078.5	53.84
123.0	000.3996	0074.2	012.5	310.0	005.6000	0422.8	078.5	53.84
124.0	000.3996	0074.2	012.5	309.8	005.6000	0422.8	078.5	53.85
125.0	000.3996	0074.5	012.5	309.7	005.6000	0422.8	078.4	53.86
126.0	000.3996	0074.6	012.5	309.5	005.6000	0422.8	078.4	53.87
127.0	000.3996	0074.6	012.5	309.4	005.6000	0422.9	078.4	53.88
128.0	000.3996	0075.1	012.6	309.2	005.6000	0422.9	078.4	53.89
129.0	000.3996	0075.0	012.6	309.1	005.6000	0422.9	078.4	53.89
130.0	000.3996	0075.2	012.6	308.9	005.6000	0422.9	078.3	53.89
131.0	000.3996	0075.2	012.6	308.7	005.6000	0422.9	078.4	53.89
132.0	000.3996	0074.7	012.5	308.6	005.6000	0422.9	078.4	53.87
133.0	000.3996	0074.2	012.5	308.4	005.6000	0422.7	078.5	53.85
134.0	000.3996	0073.6	012.4	308.3	005.6000	0422.7	078.5	53.83
135.0	000.3996	0073.6	012.4	308.1	005.6000	0422.7	078.6	53.82
136.0	000.3996	0074.0	012.5	307.9	005.6000	0422.7	078.6	53.82
137.0	000.3996	0074.3	012.5	307.8	005.6000	0422.7	078.6	53.82
138.0	000.3996	0074.5	012.5	307.6	005.6000	0422.7	078.6	53.81
139.0	000.3996	0074.6	012.5	307.5	005.6000	0422.6	078.6	53.79
140.0	000.3996	0075.0	012.6	307.3	005.6000	0422.6	078.6	53.78
141.0	000.4144	0073.6	012.6	307.2	005.6000	0422.6	078.7	53.77
142.0	000.4295	0071.0	012.5	307.0	005.6000	0422.6	078.8	53.72
143.0	000.4448	0067.6	012.3	306.9	005.6000	0422.6	079.1	53.65
144.0	000.4604	0065.2	012.2	306.8	005.6000	0422.6	079.2	53.60
145.0	000.4763	0064.7	012.3	306.6	005.6000	0422.6	079.2	53.59
146.0	000.4924	0065.1	012.4	306.4	005.6000	0422.5	079.2	53.61
147.0	000.5088	0065.4	012.5	306.3	005.6000	0422.5	079.1	53.62
148.0	000.5255	0065.5	012.6	306.1	005.6000	0422.5	079.1	53.62
149.0	000.5425	0065.7	012.7	305.9	005.6000	0422.5	079.1	53.63
150.0	000.5597	0065.8	012.8	305.7	005.6000	0422.5	079.1	53.63
151.0	000.5808	0065.9	013.0	305.5	005.6000	0422.5	079.1	53.63
152.0	000.6024	0065.9	013.1	305.4	005.6000	0422.4	079.1	53.63
153.0	000.6243	0066.0	013.2	305.2	005.6000	0422.4	079.1	53.63
154.0	000.6466	0066.1	013.3	305.0	005.6000	0422.4	079.1	53.63
155.0	000.6693	0066.5	013.4	304.8	005.6000	0422.4	079.1	53.63
156.0	000.6924	0066.8	013.6	304.6	005.6000	0422.4	079.1	53.63
157.0	000.7159	0066.7	013.7	304.4	005.6000	0422.3	079.1	53.61
158.0	000.7398	0066.7	013.8	304.2	005.6000	0422.3	079.2	53.60
159.0	000.7641	0066.7	013.9	304.0	005.6000	0422.3	079.2	53.58
160.0	000.7888	0066.7	014.0	303.8	005.6000	0422.3	079.3	53.56
161.0	000.8177	0066.3	014.1	303.7	005.6000	0422.3	079.4	53.53
162.0	000.8471	0065.8	014.2	303.5	005.6000	0422.2	079.5	53.50
163.0	000.8770	0065.4	014.2	303.3	005.6000	0422.2	079.6	53.47
164.0	000.9075	0064.5	014.3	303.2	005.6000	0422.2	079.7	53.42
165.0	000.9385	0063.5	014.3	303.0	005.6000	0422.2	079.9	53.37
166.0	000.9699	0062.8	014.3	302.9	005.6000	0422.2	080.0	53.33
167.0	001.0020	0062.5	014.4	302.7	005.6000	0422.2	080.1	53.29

**Exhibit 14 – Table 1B**  
**“FM OVER” STUDY**  
**New Ch. 219A, Woodstock, Illinois**  
**BPED-19990917MI**  
(page 3 of 3)

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
168.0	001.0345	0062.2	014.5	302.5	005.6000	0422.2	080.2	53.25
169.0	001.0676	0061.6	014.6	302.4	005.6000	0422.0	080.4	53.19
170.0	001.1011	0060.9	014.6	302.2	005.6000	0422.0	080.5	53.14
171.0	001.1382	0059.9	014.6	302.1	005.6000	0422.0	080.7	53.08
172.0	001.1760	0058.3	014.5	302.0	005.6000	0422.0	081.0	53.00
173.0	001.2143	0057.1	014.5	301.9	005.6000	0422.0	081.2	52.93
174.0	001.2533	0056.7	014.6	301.8	005.6000	0422.0	081.3	52.88
175.0	001.2928	0056.1	014.6	301.7	005.6000	0422.0	081.5	52.82
176.0	001.3330	0056.4	014.8	301.5	005.6000	0421.7	081.6	52.77
177.0	001.3738	0057.3	015.0	301.2	005.6000	0421.7	081.7	52.74
178.0	001.4152	0058.5	015.3	301.0	005.6000	0421.7	081.8	52.71
179.0	001.4573	0060.0	015.6	300.7	005.6000	0421.7	081.9	52.69
180.0	001.4999	0061.7	015.9	300.4	005.6000	0421.4	081.9	52.66
181.0	001.5467	0062.5	016.2	300.1	005.6000	0421.4	082.0	52.62
182.0	001.5942	0063.1	016.4	299.9	005.6000	0421.4	082.2	52.57
183.0	001.6424	0063.5	016.6	299.7	005.6000	0421.4	082.4	52.52
184.0	001.6913	0064.1	016.8	299.5	005.6000	0421.2	082.5	52.45
185.0	001.7410	0065.0	017.1	299.2	005.6000	0421.2	082.7	52.40
186.0	001.7913	0066.1	017.4	299.0	005.6000	0421.2	082.9	52.34
187.0	001.8424	0066.9	017.6	298.7	005.6000	0421.2	083.1	52.28
188.0	001.8942	0067.5	017.8	298.5	005.6000	0421.2	083.3	52.20
189.0	001.9468	0068.0	018.0	298.3	005.6000	0420.9	083.5	52.12







**EXHIBIT 14 - FIGURE 4**  
**TV CHANNEL 6 ALLOCATION STUDY**

prepared August 2005 for  
**The WBEZ Alliance, Inc.**  
WBEZ(FM) Chicago, Illinois  
Facility ID 66649

Ch. 218B 5.6 kW 425 m

**Cavell, Mertz & Davis, Inc.**  
Manassas, Virginia

**EXHIBIT 14 - FIGURE 5**  
**PROPOSED COVERAGE CONTOURS**

prepared August 2005 for  
**The WBEZ Alliance, Inc.**  
WBEZ(FM) Chicago, Illinois  
Facility ID 66649  
Ch. 218B 5.6 kW 425 m

**Cavell, Mertz & Davis, Inc.**  
Manassas, Virginia

