

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A

Non-Commercial Allocation Analysis & §73.509 Study

Due to its operating channel, the proposed WWGN facility could potentially impact other authorized or proposed non-commercial stations operating on co- or adjacent FM channels. The detailed list of stations reviewed as potentially impacted by Channel 205B1 at Ottawa, Illinois is shown on Exhibit A1. The five closest stations/proposals that were reviewed are WJCJ, Channel 205B, Ladoga, Indiana; WGLT, Channel 206B, Normal, Illinois; WJCG, Channel 205A, Monee, Illinois; WEPS, Channel 205A, Elgin, Illinois and a pending application for a new FM station on Channel 205A, at Elgin, Illinois ("AP205"). The provisions of §73.509 of the rules will be met by specifying less than maximum Class B1 facilities.

§73.509 Analysis

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WWGN and WJCJ, WGLT, WJCG, WEPS or AP205. Attached as Exhibits A3 through A12 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WWGN and WJCJ, WGLT, WJCG, WEPS and AP205. Further, attached as Exhibit A13 are the tabulated and protected contours of the proposed WWGN facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

Stations Removed by 53 and 54 Channels (I.F. Relationship)

The nearest station operating on a frequency either 53 or 54 channels removed from this instant proposal is WDQZ, Channel 258A, Lexington, Illinois. The WDQZ site is located on a bearing of 173.1° at a distance of 81.25 kilometers from the proposed WWGN site. Pursuant to §73.207 of the rules, WWGN must be a minimum of 12.0 kilometers from the WDQZ site. WWGN is located more than 60.0 kilometers farther than the required distance. Therefore, this proposal does not impact any intermediate frequency stations.

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A1

Interference Analysis for WWGN Ottawa, Illinois

Using Proposed Site as Reference

REFERENCE	CH# 205B1- 88.9 MHz, Pwr= 4.1 kW, HAAT=148.4M, COR= 332 M	DISPLAY DATES
41 18 05 N	Average Protected F(50-50)= 35.5 km	DATA 04-26-05
88 57 11 W	Ave. F(50-10) 40 dBu= 94.6 54 dBu= 52.9 100 dBu= 3.2	SEARCH 04-26-05

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205A Ottawa	WWGN	LIC CN IL	149.5 329.5	2.65 BLED-19941003KA	41 16 51 88 56 13	1.5 206	380 81.6	29.4 American Family Association	-108.34	-111.88
205B Ladoga	WJCJ.C	CP DCX IN	125.2 305.2	148.82 BPED-19981203ML	40 31 19 87 30 58	36.568 70	286 117.3	30.1 CSN International	1.43	25.44
206B Normal	WGLT	LIC DCN IL	185.3 5.3	91.67 BLED-19920716KD	40 28 46 89 03 12	25 105	348 61.0	29.7 Illinois State University	0.99	6.61
205A Monee	WJCG	LIC DVN IL	78.9 258.9	98.74 BLED-19950929KA	41 27 58 87 47 35	0.072 21	245 16.9	32.6 The Moody Bible Institute	49.32	3.06
205A Elgin	AP205	APP CX IL	35.9 215.9	98.86 BNPED-20041101AHT	42 01 11 88 15 08	0.16 45	268 25.9	31.1 R B Schools	41.82	2.47
205A Elgin	WEPS	LIC CN IL	34.4 214.4	99.61 BLED-19861120KD	42 02 17 88 16 15	0.74 21	259 32.1	31.1 Board Of Education School	36.39	1.65
205A Summit	WARG	LIC DEN IL	60.7 240.7	109.40 BLED-19851106KC	41 46 36 87 48 17	0.349 25	218 25.9	34.8 Community High School Dist.	48.75	8.16
205A River Grove	WRRG	LIC DCN IL	53.3 233.3	115.38 BLED-19860926KC	41 54 56 87 50 12	0.016 33	234 11.9	33.7 Triton College	69.80	19.69
204A Sugar Grove	WSRI.C	CP CX IL	38.5 218.5	68.71 BMPED-20040614AGA	41 47 01 88 26 14	0.25 52	255 13.2	31.3 Educational Media Foundation	24.25	11.92
204A Joliet	WCSF	LIC CN IL	69.9 249.9	75.94 BLED-19880916KB	41 31 58 88 05 54	0.1 49	230 10.3	34.2 College Of St. Francis	31.42	17.70
206A Naperville	WONC	LIC CN IL	49.8 229.8	82.37 BLED-19940809KC	41 46 34 88 11 41	1.5 60	264 23.4	32.7 North Central College	26.20	17.49
205C2 Wapello	KLRX.C	CP EX IA	263.3 83.3	187.70 BMPED-20041201BZM	41 04 59 91 10 18	13.5 187	356 113.7	30.7 Educational Media Foundation	43.24	55.05
202A Pontiac	WPJC	LIC CX IL	146.9 326.9	47.23 BLED-20021219AAY	40 56 42 88 38 46	0.5 70	265 1.6	29.4 CSN International	16.30	31.62
202A Princeton	WPRC.C	CP VX IL	267.8 87.8	53.12 BPED-19980420MH	41 16 53 89 35 12	0.15 131	310 0.9	31.5 Illinois Bible Institute	20.74	37.28
208B DeKalb	WNIU	LIC DCN IL	357.1 177.1	79.39 BLED-19891011KA	42 00 55 89 00 07	50 124	380 5.4	30.7 Northern Illinois University	43.27	27.99
206B1 Freeport	WNIE	LIC DCN IL	334.9 154.9	124.29 BLED-19990528KA	42 18 45 89 35 38	0.833 116	368 28.3	30.9 Northern Illinois University	65.14	58.27
207A Minooka	AP207	APP VX IL	68.1 248.1	58.84 BNPED-20000301AAF	41 29 47 88 17 56	0.1 59	235 0.7	34.5 Pensacola Christian College	23.68	47.83
204A Elmhurst	WRSE	LIC DCX IL	51.4 231.4	106.84 BMLED-20030715ACO	41 53 46 87 56 45	0.092 23	236 7.8	33.1 Bd. Of Trustees, Elmhurst	65.97	51.79
06+2C Davenport	KWQCTV	LI HN IA	282.6 102.6	130.23 BLCT19821108KN	41 32 49 90 28 35	100 439	611	255.7 To Grd B=	15.38	Young Broadcasting Of Dave

ERP and HAAT are on direct line to and from reference station.

***Affixed to 'IN' or 'Out' values = site inside protected contour.

Graham Brock, Inc. - Broadcast Technical Consultants

WWGN Proposed
Latitude: 41-18-05 N
Longitude: 088-57-11 W
ERP: 4.10 kW
Channel: 205B1
Frequency: 88.9 MHz
AMSL Height: 332.2 m

WGLT
BLED-19920716KD
Latitude: 40-28-46 N
Longitude: 089-03-12 W
ERP: 25.00 kW
Channel: 206B
Frequency: 89.1 MHz
AMSL Height: 348.0 m

WJCG
BLED-19950929KA
Latitude: 41-27-58 N
Longitude: 087-47-35 W
ERP: 0.10 kW
Channel: 205A
Frequency: 88.9 MHz
AMSL Height: 245.0 m

WJCI CP
BPED-19981203ML
Latitude: 40-31-19 N
Longitude: 087-30-58 W
ERP: 50.00 kW
Channel: 205B
Frequency: 88.9 MHz
AMSL Height: 286.0 m

WEPS
BLED-19861120KD
Latitude: 42-02-17 N
Longitude: 088-16-15 W
ERP: 0.74 kW
Channel: 205A
Frequency: 88.9 MHz
AMSL Height: 259.0 m

AP205
BNPED-20041101AHT
Latitude: 42-01-11 N
Longitude: 088-15-08 W
ERP: 0.16 kW
Channel: 205A
Frequency: 88.9 MHz
AMSL Height: 268.0 m

WEPS 60 dBu (50/50)

AP205 40 dBu (50/10)

AP205 60 dBu (50/50)

WWGN 40 dBu (50/10)

WEPS 40 dBu (50/10)

WWGN 54 dBu (50/50)

WWGN 60 dBu (50/50)

WJCG 40 dBu (50/10)

WJCG 60 dBu (50/50)

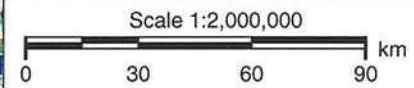
WJCI CP 40 dBu (50/50)

WJCI CP 60 dBu (50/50)

WGLT 60 dBu (50/50)

WGLT 54 dBu (50/10)

EXHIBIT A2
MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 4.1 KW
OTTAWA, ILLINOIS
April 2005



MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A3

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

WJCJ CP - BPED-19981203ML
Channel = 205B
Max ERP = 50 kW
RCAMSL = 286 M
N. Lat = 40 31 19
W. Lng = 87 30 58

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
105.0	004.1000	0146.2	030.7	311.1	036.7852	0070.7	120.6	39.5
106.0	004.1000	0146.0	030.6	310.9	036.8257	0070.7	120.4	39.5
107.0	004.1000	0145.8	030.6	310.7	036.8665	0070.7	120.2	39.6
108.0	004.1000	0145.6	030.6	310.4	036.9076	0070.4	120.1	39.6
109.0	004.1000	0145.4	030.6	310.2	036.9490	0070.4	119.9	39.6
110.0	004.1000	0145.3	030.6	309.9	036.9746	0070.4	119.7	39.6
111.0	004.1000	0145.2	030.6	309.7	036.9537	0070.4	119.5	39.7
112.0	004.1000	0145.2	030.6	309.4	036.9326	0070.1	119.4	39.7
113.0	004.1000	0145.0	030.6	309.2	036.9113	0070.1	119.3	39.7
114.0	004.1000	0144.8	030.5	308.9	036.8897	0070.1	119.1	39.7
115.0	004.1000	0144.5	030.5	308.7	036.8680	0070.1	119.1	39.7
116.0	004.1000	0144.1	030.5	308.4	036.8462	0069.8	119.0	39.7
117.0	004.1000	0143.8	030.4	308.2	036.8244	0069.8	118.9	39.7
118.0	004.1000	0143.6	030.4	307.9	036.8025	0069.8	118.8	39.8
119.0	004.1000	0143.3	030.4	307.7	036.7807	0069.8	118.8	39.8
120.0	004.1000	0143.0	030.4	307.4	036.7587	0069.7	118.7	39.8
121.0	004.1000	0142.6	030.3	307.2	036.7368	0069.7	118.7	39.8
122.0	004.1000	0142.1	030.3	306.9	036.7148	0069.7	118.7	39.8
123.0	004.1000	0141.6	030.2	306.7	036.6929	0069.7	118.8	39.8
124.0	004.1000	0141.0	030.2	306.4	036.6710	0069.7	118.8	39.7
125.0	004.1000	0140.4	030.1	306.1	036.6493	0069.7	118.8	39.7
126.0	004.1000	0139.9	030.0	305.9	036.6276	0069.7	118.9	39.7
127.0	004.1000	0139.4	030.0	305.6	036.6061	0069.7	119.0	39.7
128.0	004.1000	0139.0	030.0	305.4	036.5846	0069.9	119.0	39.7
129.0	004.1000	0138.5	029.9	305.1	036.5633	0069.9	119.1	39.7
130.0	004.1000	0138.0	029.9	304.9	036.5422	0069.9	119.2	39.7
131.0	004.1000	0137.5	029.8	304.6	036.5211	0069.9	119.3	39.6
132.0	004.1000	0137.2	029.8	304.4	036.5002	0069.9	119.4	39.6
133.0	004.1000	0136.8	029.8	304.2	036.4793	0069.9	119.5	39.6
134.0	004.1000	0136.4	029.7	303.9	036.4587	0069.9	119.7	39.6
135.0	004.1000	0135.9	029.7	303.7	036.4384	0069.9	119.8	39.5
136.0	004.1000	0135.4	029.6	303.4	036.4183	0069.8	120.0	39.5
137.0	004.1000	0134.9	029.6	303.2	036.3983	0069.8	120.1	39.5
138.0	004.1000	0134.4	029.5	303.0	036.3787	0069.8	120.3	39.4
139.0	004.1000	0134.0	029.5	302.7	036.3590	0069.8	120.5	39.4
140.0	004.1000	0133.7	029.5	302.5	036.3395	0069.8	120.7	39.4
141.0	004.1000	0133.5	029.4	302.3	036.3202	0069.4	120.9	39.3
142.0	004.1000	0133.2	029.4	302.1	036.3010	0069.4	121.1	39.3
143.0	004.1000	0133.1	029.4	301.8	036.2820	0069.4	121.3	39.3
144.0	004.1000	0133.0	029.4	301.6	036.2631	0069.4	121.5	39.2
145.0	004.1000	0133.0	029.4	301.4	036.2443	0069.0	121.7	39.2

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A4

WJCJ CP - BPED-19981203ML
Channel = 205B
Max ERP = 50 kW
RCAMSL = 286 M
N. Lat = 40 31 19
W. Lng = 87 30 58

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
290.0	032.0000	0067.6	034.7	130.0	004.1000	0138.0	115.7	33.0
291.0	032.4013	0067.3	034.7	129.7	004.1000	0138.0	115.4	33.0
292.0	032.8050	0067.1	034.8	129.4	004.1000	0138.5	115.2	33.1
293.0	033.2112	0067.0	034.9	129.1	004.1000	0138.5	114.9	33.1
294.0	033.6200	0067.1	035.0	128.9	004.1000	0138.5	114.7	33.2
295.0	034.0313	0067.2	035.1	128.6	004.1000	0138.5	114.4	33.2
296.0	034.4450	0067.5	035.3	128.3	004.1000	0139.0	114.1	33.3
297.0	034.8613	0067.9	035.5	128.0	004.1000	0139.0	113.8	33.4
298.0	035.2800	0068.3	035.6	127.7	004.1000	0139.0	113.5	33.4
299.0	035.7013	0068.5	035.8	127.4	004.1000	0139.4	113.2	33.5
300.0	036.1250	0068.7	035.9	127.1	004.1000	0139.4	113.0	33.5
301.0	036.2101	0069.0	036.0	126.8	004.1000	0139.4	112.9	33.6
302.0	036.2952	0069.4	036.1	126.5	004.1000	0139.4	112.7	33.6
303.0	036.3805	0069.8	036.2	126.2	004.1000	0139.9	112.5	33.6
304.0	036.4658	0069.9	036.3	125.9	004.1000	0139.9	112.4	33.6
305.0	036.5513	0069.9	036.3	125.5	004.1000	0139.9	112.4	33.7
306.0	036.6368	0069.7	036.3	125.2	004.1000	0140.4	112.4	33.7
307.0	036.7224	0069.7	036.3	124.9	004.1000	0140.4	112.4	33.7
308.0	036.8082	0069.8	036.3	124.6	004.1000	0140.4	112.4	33.7
309.0	036.8941	0070.1	036.4	124.2	004.1000	0141.0	112.4	33.7
310.0	036.9800	0070.4	036.5	123.9	004.1000	0141.0	112.3	33.7
311.0	036.8082	0070.7	036.5	123.6	004.1000	0141.0	112.4	33.7
312.0	036.6368	0071.0	036.5	123.3	004.1000	0141.6	112.4	33.7
313.0	036.4658	0071.3	036.6	122.9	004.1000	0141.6	112.5	33.7
314.0	036.2952	0071.6	036.6	122.6	004.1000	0141.6	112.6	33.7
315.0	036.1250	0072.0	036.6	122.3	004.1000	0142.1	112.7	33.7
316.0	035.9552	0072.4	036.7	122.0	004.1000	0142.1	112.8	33.7
317.0	035.7858	0072.6	036.7	121.7	004.1000	0142.1	112.9	33.6
318.0	035.6168	0072.6	036.7	121.4	004.1000	0142.6	113.1	33.6
319.0	035.4482	0072.5	036.6	121.0	004.1000	0142.6	113.4	33.6
320.0	035.2800	0072.4	036.5	120.8	004.1000	0142.6	113.6	33.5
321.0	034.8028	0072.4	036.4	120.5	004.1000	0143.0	113.9	33.5
322.0	034.3289	0072.7	036.4	120.2	004.1000	0143.0	114.2	33.4
323.0	033.8582	0072.9	036.3	119.9	004.1000	0143.0	114.5	33.4
324.0	033.3908	0073.0	036.2	119.6	004.1000	0143.0	114.8	33.3
325.0	032.9266	0072.9	036.1	119.4	004.1000	0143.3	115.2	33.2
326.0	032.4657	0072.7	035.9	119.1	004.1000	0143.3	115.6	33.2
327.0	032.0080	0072.5	035.8	118.9	004.1000	0143.3	116.0	33.1
328.0	031.5536	0072.3	035.6	118.6	004.1000	0143.3	116.5	33.0
329.0	031.1024	0072.3	035.5	118.4	004.1000	0143.6	116.9	32.9
330.0	030.6544	0072.2	035.4	118.2	004.1000	0143.6	117.3	32.8

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A5

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

WGLT - BLED-19920716KD
Channel = 206B
Max ERP = 25 kW
RCAMSL = 348 M
N. Lat = 40 28 46
W. Lng = 89 03 12

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
165.0	004.1000	0143.3	030.4	014.7	025.0000	0105.7	064.0	53.1
166.0	004.1000	0142.4	030.3	014.2	025.0000	0105.4	063.9	53.1
167.0	004.1000	0141.4	030.2	013.7	025.0000	0105.4	063.7	53.1
168.0	004.1000	0140.3	030.1	013.3	025.0000	0105.0	063.6	53.2
169.0	004.1000	0139.8	030.0	012.8	025.0000	0105.0	063.4	53.2
170.0	004.1000	0139.8	030.0	012.4	025.0000	0104.7	063.2	53.3
171.0	004.1000	0139.9	030.0	012.0	025.0000	0104.7	063.0	53.3
172.0	004.1000	0139.9	030.0	011.5	025.0000	0104.7	062.8	53.4
173.0	004.1000	0139.8	030.0	011.1	025.0000	0104.8	062.6	53.5
174.0	004.1000	0139.8	030.0	010.6	025.0000	0104.8	062.5	53.5
175.0	004.1000	0139.6	030.0	010.2	025.0000	0105.1	062.4	53.6
176.0	004.1000	0139.0	030.0	009.7	025.0000	0105.1	062.3	53.6
177.0	004.1000	0138.6	029.9	009.2	025.0000	0105.2	062.2	53.6
178.0	004.1000	0138.2	029.9	008.7	025.0000	0105.2	062.1	53.7
179.0	004.1000	0137.7	029.8	008.3	025.0000	0105.0	062.1	53.7
180.0	004.1000	0137.3	029.8	007.8	025.0000	0105.0	062.1	53.7
181.0	004.1000	0136.9	029.8	007.3	025.0000	0104.8	062.0	53.7
182.0	004.1000	0136.5	029.7	006.8	025.0000	0104.8	062.0	53.7
183.0	004.1000	0136.2	029.7	006.4	025.0000	0104.7	062.0	53.7
184.0	004.1000	0136.2	029.7	005.9	025.0000	0104.7	062.0	53.7
185.0	004.1000	0136.3	029.7	005.4	025.0000	0104.5	062.0	53.7
186.0	004.1000	0136.2	029.7	004.9	025.0000	0104.5	062.0	53.7
187.0	004.1000	0136.2	029.7	004.5	025.0000	0104.4	062.0	53.7
188.0	004.1000	0135.7	029.6	004.0	025.0000	0104.4	062.1	53.6
189.0	004.1000	0135.0	029.6	003.5	025.0000	0104.4	062.2	53.6
190.0	004.1000	0134.1	029.5	003.1	025.0000	0104.5	062.3	53.6
191.0	004.1000	0133.4	029.4	002.6	025.0000	0104.5	062.5	53.5
192.0	004.1000	0133.0	029.4	002.1	025.0000	0104.6	062.6	53.5
193.0	004.1000	0132.7	029.4	001.7	025.0000	0104.6	062.7	53.4
194.0	004.1000	0132.2	029.3	001.2	025.0000	0104.5	062.9	53.4
195.0	004.1000	0131.6	029.3	000.8	025.0000	0104.5	063.0	53.3
196.0	004.1000	0131.2	029.2	000.4	025.0000	0104.3	063.2	53.2
197.0	004.1000	0131.1	029.2	359.9	025.0000	0104.3	063.3	53.2
198.0	004.1000	0131.4	029.2	359.5	025.0000	0104.1	063.5	53.1
199.0	004.1000	0132.0	029.3	359.0	025.0000	0104.1	063.6	53.1
200.0	004.1000	0132.8	029.4	358.6	025.0000	0104.1	063.7	53.1
201.0	004.1000	0133.6	029.4	358.1	025.0000	0103.9	063.8	53.0
202.0	004.1000	0134.1	029.5	357.7	025.0000	0103.9	064.0	53.0
203.0	004.1000	0134.5	029.5	357.3	025.0000	0103.8	064.2	52.9
204.0	004.1000	0134.8	029.6	356.9	025.0000	0103.8	064.4	52.8
205.0	004.1000	0135.1	029.6	356.4	025.0000	0103.9	064.6	52.8

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A6

WGLT - BLED-19920716KD
Channel = 206B
Max ERP = 25 kW
RCAMSL = 348 M
N. Lat = 40 28 46
W. Lng = 89 03 12

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
345.0	025.0000	0103.7	039.7	199.5	004.1000	0132.0	056.1	49.5
346.0	025.0000	0103.9	039.7	198.9	004.1000	0132.0	055.7	49.7
347.0	025.0000	0103.9	039.7	198.3	004.1000	0131.4	055.4	49.8
348.0	025.0000	0103.8	039.7	197.6	004.1000	0131.4	055.0	49.9
349.0	025.0000	0103.9	039.7	197.0	004.1000	0131.1	054.7	50.0
350.0	025.0000	0104.2	039.8	196.4	004.1000	0131.2	054.3	50.2
351.0	025.0000	0104.3	039.8	195.7	004.1000	0131.2	054.0	50.3
352.0	025.0000	0104.3	039.8	195.1	004.1000	0131.6	053.7	50.4
353.0	025.0000	0104.2	039.8	194.4	004.1000	0132.2	053.5	50.5
354.0	025.0000	0104.2	039.8	193.7	004.1000	0132.2	053.3	50.6
355.0	025.0000	0104.1	039.7	193.0	004.1000	0132.7	053.0	50.7
356.0	025.0000	0103.9	039.7	192.2	004.1000	0133.0	052.9	50.8
357.0	025.0000	0103.8	039.7	191.5	004.1000	0133.4	052.7	50.9
358.0	025.0000	0103.9	039.7	190.8	004.1000	0133.4	052.5	51.0
359.0	025.0000	0104.1	039.7	190.0	004.1000	0134.1	052.3	51.1
000.0	025.0000	0104.3	039.8	189.3	004.1000	0135.0	052.2	51.2
001.0	025.0000	0104.5	039.8	188.5	004.1000	0135.0	052.1	51.3
002.0	025.0000	0104.6	039.8	187.8	004.1000	0135.7	052.0	51.3
003.0	025.0000	0104.5	039.8	187.0	004.1000	0136.2	051.9	51.4
004.0	025.0000	0104.4	039.8	186.3	004.1000	0136.2	051.9	51.4
005.0	025.0000	0104.5	039.8	185.5	004.1000	0136.3	051.9	51.4
006.0	025.0000	0104.7	039.8	184.7	004.1000	0136.3	051.8	51.4
007.0	025.0000	0104.8	039.9	183.9	004.1000	0136.2	051.8	51.4
008.0	025.0000	0105.0	039.9	183.2	004.1000	0136.2	051.9	51.4
009.0	025.0000	0105.2	039.9	182.4	004.1000	0136.5	051.9	51.4
010.0	025.0000	0105.1	039.9	181.7	004.1000	0136.5	052.0	51.4
011.0	025.0000	0104.8	039.9	180.9	004.1000	0136.9	052.2	51.3
012.0	025.0000	0104.7	039.8	180.2	004.1000	0137.3	052.3	51.3
013.0	025.0000	0105.0	039.9	179.4	004.1000	0137.7	052.4	51.3
014.0	025.0000	0105.4	039.9	178.7	004.1000	0137.7	052.5	51.2
015.0	025.0000	0105.7	040.0	177.9	004.1000	0138.2	052.7	51.2
016.0	025.0000	0105.9	040.0	177.2	004.1000	0138.6	052.9	51.1
017.0	025.0000	0105.9	040.0	176.5	004.1000	0139.0	053.1	51.1
018.0	025.0000	0106.0	040.0	175.8	004.1000	0139.0	053.3	51.0
019.0	025.0000	0105.9	040.0	175.1	004.1000	0139.6	053.6	50.9
020.0	025.0000	0105.6	040.0	174.4	004.1000	0139.8	054.0	50.8
021.0	025.0000	0105.3	039.9	173.8	004.1000	0139.8	054.3	50.6
022.0	025.0000	0105.0	039.9	173.2	004.1000	0139.8	054.7	50.5
023.0	025.0000	0104.7	039.8	172.6	004.1000	0139.8	055.1	50.3
024.0	025.0000	0104.5	039.8	172.0	004.1000	0139.9	055.5	50.2
025.0	025.0000	0104.4	039.8	171.4	004.1000	0139.9	055.9	50.1

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A7

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

WJCG - BLED-19950929KA
Channel = 205A
Max ERP = 0.1 kW
RCAMSL = 245 M
N. Lat = 41 27 58
W. Lng = 87 47 35

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
060.0	004.1000	0188.2	034.8	269.5	000.0632	0021.1	066.8	20.5
061.0	004.1000	0188.2	034.8	269.0	000.0636	0021.1	066.5	20.6
062.0	004.1000	0188.1	034.8	268.5	000.0640	0021.1	066.3	20.7
063.0	004.1000	0188.1	034.8	268.1	000.0644	0020.9	066.0	20.7
064.0	004.1000	0187.9	034.7	267.6	000.0648	0020.9	065.8	20.8
065.0	004.1000	0187.4	034.7	267.1	000.0652	0020.6	065.6	20.9
066.0	004.1000	0186.6	034.6	266.6	000.0656	0020.6	065.4	20.9
067.0	004.1000	0185.7	034.6	266.0	000.0661	0020.2	065.3	21.0
068.0	004.1000	0184.7	034.5	265.5	000.0666	0020.2	065.2	21.0
069.0	004.1000	0183.5	034.4	265.0	000.0670	0019.6	065.1	21.1
070.0	004.1000	0182.2	034.3	264.4	000.0675	0019.2	065.1	21.1
071.0	004.1000	0180.7	034.1	263.9	000.0680	0019.2	065.1	21.1
072.0	004.1000	0179.2	034.0	263.4	000.0684	0019.2	065.1	21.2
073.0	004.1000	0177.7	033.9	262.8	000.0689	0019.2	065.1	21.2
074.0	004.1000	0176.2	033.7	262.3	000.0694	0019.5	065.2	21.2
075.0	004.1000	0174.4	033.6	261.8	000.0698	0019.5	065.3	21.2
076.0	004.1000	0172.4	033.4	261.2	000.0703	0020.1	065.4	21.2
077.0	004.1000	0169.7	033.1	260.7	000.0708	0020.1	065.6	21.2
078.0	004.1000	0166.9	032.8	260.2	000.0712	0020.6	065.9	21.2
079.0	004.1000	0164.7	032.6	259.7	000.0716	0020.6	066.1	21.2
080.0	004.1000	0163.3	032.4	259.2	000.0720	0021.1	066.3	21.2
081.0	004.1000	0162.3	032.3	258.7	000.0724	0021.1	066.4	21.2
082.0	004.1000	0160.9	032.2	258.2	000.0728	0021.5	066.6	21.2
083.0	004.1000	0159.4	032.0	257.8	000.0732	0021.5	066.8	21.1
084.0	004.1000	0158.3	031.9	257.3	000.0736	0022.0	067.0	21.1
085.0	004.1000	0157.7	031.8	256.8	000.0739	0022.0	067.1	21.1
086.0	004.1000	0157.0	031.8	256.4	000.0743	0022.5	067.3	21.1
087.0	004.1000	0156.8	031.8	255.9	000.0747	0022.5	067.4	21.1
088.0	004.1000	0156.6	031.7	255.5	000.0751	0023.0	067.5	21.1
089.0	004.1000	0156.4	031.7	255.0	000.0754	0023.0	067.7	21.1
090.0	004.1000	0156.2	031.7	254.6	000.0758	0023.0	067.9	21.1
091.0	004.1000	0155.7	031.6	254.1	000.0761	0023.5	068.1	21.1
092.0	004.1000	0154.5	031.5	253.7	000.0765	0023.5	068.4	21.0
093.0	004.1000	0153.5	031.4	253.3	000.0768	0023.9	068.6	21.0
094.0	004.1000	0152.6	031.3	252.9	000.0771	0023.9	068.9	21.0
095.0	004.1000	0152.0	031.3	252.5	000.0775	0023.9	069.2	21.0
096.0	004.1000	0151.4	031.2	252.1	000.0778	0024.3	069.5	20.9
097.0	004.1000	0150.9	031.1	251.7	000.0781	0024.3	069.7	20.9
098.0	004.1000	0150.5	031.1	251.3	000.0784	0024.7	070.0	20.9
099.0	004.1000	0149.8	031.0	251.0	000.0788	0024.7	070.3	20.8
100.0	004.1000	0149.2	031.0	250.6	000.0790	0024.7	070.7	20.8

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A8

WJCG - BLED-19950929KA
Channel = 205A
Max ERP = 0.1 kW
RCAMSL = 245 M
N. Lat = 41 27 58
W. Lng = 87 47 35

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
240.0	000.0863	0027.9	005.4	080.0	004.1000	0163.3	093.7	39.0
241.0	000.0856	0028.1	005.4	080.0	004.1000	0163.3	093.6	39.0
242.0	000.0849	0028.0	005.4	079.9	004.1000	0163.3	093.6	39.0
243.0	000.0843	0027.8	005.4	079.9	004.1000	0163.3	093.6	39.1
244.0	000.0836	0027.6	005.4	079.8	004.1000	0163.3	093.6	39.1
245.0	000.0829	0027.5	005.4	079.7	004.1000	0163.3	093.6	39.1
246.0	000.0822	0027.3	005.4	079.7	004.1000	0163.3	093.5	39.1
247.0	000.0816	0027.0	005.4	079.6	004.1000	0163.3	093.5	39.1
248.0	000.0809	0026.5	005.3	079.6	004.1000	0163.3	093.5	39.1
249.0	000.0802	0026.0	005.3	079.5	004.1000	0163.3	093.5	39.1
250.0	000.0796	0025.3	005.3	079.5	004.1000	0164.7	093.5	39.1
251.0	000.0787	0024.7	005.3	079.4	004.1000	0164.7	093.5	39.1
252.0	000.0779	0024.3	005.3	079.3	004.1000	0164.7	093.5	39.1
253.0	000.0771	0023.9	005.3	079.3	004.1000	0164.7	093.5	39.1
254.0	000.0762	0023.5	005.3	079.2	004.1000	0164.7	093.5	39.1
255.0	000.0754	0023.0	005.2	079.2	004.1000	0164.7	093.5	39.1
256.0	000.0746	0022.5	005.2	079.1	004.1000	0164.7	093.5	39.1
257.0	000.0738	0022.0	005.2	079.1	004.1000	0164.7	093.5	39.1
258.0	000.0730	0021.5	005.2	079.0	004.1000	0164.7	093.5	39.1
259.0	000.0722	0021.1	005.2	078.9	004.1000	0164.7	093.6	39.1
260.0	000.0714	0020.6	005.2	078.9	004.1000	0164.7	093.6	39.1
261.0	000.0705	0020.1	005.2	078.8	004.1000	0164.7	093.6	39.1
262.0	000.0696	0019.5	005.1	078.8	004.1000	0164.7	093.6	39.1
263.0	000.0687	0019.2	005.1	078.7	004.1000	0164.7	093.6	39.1
264.0	000.0679	0019.2	005.1	078.7	004.1000	0164.7	093.7	39.1
265.0	000.0670	0019.6	005.1	078.6	004.1000	0164.7	093.7	39.1
266.0	000.0661	0020.2	005.1	078.6	004.1000	0164.7	093.7	39.1
267.0	000.0653	0020.6	005.1	078.5	004.1000	0164.7	093.7	39.1
268.0	000.0644	0020.9	005.0	078.5	004.1000	0166.9	093.8	39.1
269.0	000.0636	0021.1	005.0	078.4	004.1000	0166.9	093.8	39.1
270.0	000.0627	0021.3	005.0	078.4	004.1000	0166.9	093.8	39.1
271.0	000.0618	0021.3	005.0	078.3	004.1000	0166.9	093.9	39.1
272.0	000.0609	0021.2	005.0	078.3	004.1000	0166.9	093.9	39.1
273.0	000.0600	0021.0	004.9	078.2	004.1000	0166.9	093.9	39.1
274.0	000.0592	0020.9	004.9	078.2	004.1000	0166.9	094.0	39.1
275.0	000.0583	0021.0	004.9	078.1	004.1000	0166.9	094.0	39.1
276.0	000.0574	0021.2	004.9	078.1	004.1000	0166.9	094.1	39.1
277.0	000.0566	0021.4	004.9	078.0	004.1000	0166.9	094.1	39.0
278.0	000.0557	0021.5	004.8	078.0	004.1000	0166.9	094.2	39.0
279.0	000.0549	0021.6	004.8	077.9	004.1000	0166.9	094.2	39.0
280.0	000.0540	0021.8	004.8	077.9	004.1000	0166.9	094.3	39.0

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A9

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

AP205 - BNPED-20041101AHT
Channel = 205A
Max ERP = 0.16 kW
RCAMSL = 268 M
N. Lat = 42 01 11
W. Lng = 88 15 08

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
025.0	004.1000	0148.5	030.9	221.2	000.1600	0038.8	068.7	25.1
026.0	004.1000	0148.6	030.9	220.8	000.1600	0038.8	068.6	25.1
027.0	004.1000	0148.5	030.9	220.3	000.1600	0040.5	068.5	25.3
028.0	004.1000	0148.6	030.9	219.9	000.1600	0040.5	068.3	25.3
029.0	004.1000	0148.9	030.9	219.4	000.1600	0042.1	068.2	25.5
030.0	004.1000	0149.1	031.0	219.0	000.1600	0042.1	068.1	25.5
031.0	004.1000	0149.5	031.0	218.5	000.1600	0042.1	068.0	25.5
032.0	004.1000	0149.8	031.0	218.1	000.1600	0043.5	067.9	25.7
033.0	004.1000	0150.1	031.1	217.6	000.1600	0043.5	067.8	25.7
034.0	004.1000	0150.4	031.1	217.2	000.1600	0044.5	067.7	25.8
035.0	004.1000	0150.7	031.1	216.7	000.1600	0044.5	067.7	25.8
036.0	004.1000	0151.1	031.2	216.3	000.1600	0045.2	067.6	25.9
037.0	004.1000	0151.5	031.2	215.8	000.1600	0045.2	067.6	25.9
038.0	004.1000	0152.1	031.3	215.3	000.1600	0045.5	067.6	25.9
039.0	004.1000	0152.7	031.3	214.9	000.1600	0045.5	067.5	26.0
040.0	004.1000	0153.4	031.4	214.4	000.1600	0045.5	067.5	26.0
041.0	004.1000	0154.1	031.5	213.9	000.1600	0045.5	067.5	26.0
042.0	004.1000	0154.8	031.6	213.5	000.1600	0045.2	067.5	25.9
043.0	004.1000	0155.6	031.6	213.0	000.1600	0045.2	067.5	25.9
044.0	004.1000	0156.4	031.7	212.5	000.1600	0045.2	067.5	25.9
045.0	004.1000	0157.2	031.8	212.0	000.1600	0044.9	067.6	25.9
046.0	004.1000	0158.4	031.9	211.6	000.1600	0044.9	067.6	25.9
047.0	004.1000	0159.8	032.1	211.1	000.1600	0044.8	067.6	25.9
048.0	004.1000	0161.7	032.3	210.6	000.1600	0044.8	067.6	25.9
049.0	004.1000	0163.9	032.5	210.0	000.1600	0044.7	067.5	25.9
050.0	004.1000	0166.5	032.8	209.5	000.1600	0044.7	067.5	25.9
051.0	004.1000	0169.5	033.1	209.0	000.1600	0044.5	067.4	25.9
052.0	004.1000	0172.8	033.4	208.4	000.1600	0043.9	067.3	25.8
053.0	004.1000	0176.0	033.7	207.8	000.1600	0043.9	067.3	25.9
054.0	004.1000	0178.9	034.0	207.3	000.1600	0043.1	067.3	25.8
055.0	004.1000	0181.4	034.2	206.8	000.1600	0043.1	067.4	25.8
056.0	004.1000	0183.7	034.4	206.2	000.1600	0042.3	067.5	25.7
057.0	004.1000	0185.6	034.5	205.7	000.1600	0042.3	067.7	25.6
058.0	004.1000	0187.0	034.7	205.2	000.1600	0041.7	067.9	25.5
059.0	004.1000	0187.8	034.7	204.8	000.1600	0041.7	068.2	25.5
060.0	004.1000	0188.2	034.8	204.3	000.1600	0041.2	068.5	25.3
061.0	004.1000	0188.2	034.8	203.9	000.1600	0041.2	068.8	25.3
062.0	004.1000	0188.1	034.8	203.5	000.1600	0041.2	069.2	25.2
063.0	004.1000	0188.1	034.8	203.2	000.1600	0041.2	069.6	25.1
064.0	004.1000	0187.9	034.7	202.8	000.1600	0041.2	070.0	25.0
065.0	004.1000	0187.4	034.7	202.4	000.1600	0042.0	070.4	25.0

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A10

AP205 - BNPED-20041101AHT
Channel = 205A
Max ERP = 0.16 kW
RCAMSL = 268 M
N. Lat = 42 01 11
W. Lng = 88 15 08

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
190.0	000.1600	0037.9	007.1	037.8	004.1000	0152.1	092.6	38.9
191.0	000.1600	0039.0	007.2	037.8	004.1000	0152.1	092.4	38.9
192.0	000.1600	0040.2	007.3	037.7	004.1000	0152.1	092.3	39.0
193.0	000.1600	0041.4	007.4	037.7	004.1000	0152.1	092.1	39.0
194.0	000.1600	0042.7	007.5	037.6	004.1000	0152.1	092.0	39.1
195.0	000.1600	0044.1	007.6	037.6	004.1000	0152.1	091.8	39.1
196.0	000.1600	0044.9	007.7	037.5	004.1000	0152.1	091.7	39.2
197.0	000.1600	0045.1	007.7	037.5	004.1000	0151.5	091.6	39.2
198.0	000.1600	0045.2	007.7	037.4	004.1000	0151.5	091.5	39.2
199.0	000.1600	0045.1	007.7	037.3	004.1000	0151.5	091.5	39.2
200.0	000.1600	0044.6	007.7	037.2	004.1000	0151.5	091.5	39.2
201.0	000.1600	0043.3	007.6	037.1	004.1000	0151.5	091.6	39.2
202.0	000.1600	0042.0	007.4	037.0	004.1000	0151.5	091.7	39.1
203.0	000.1600	0041.2	007.4	036.9	004.1000	0151.5	091.7	39.1
204.0	000.1600	0041.2	007.4	036.9	004.1000	0151.5	091.7	39.1
205.0	000.1600	0041.7	007.4	036.8	004.1000	0151.5	091.6	39.2
206.0	000.1600	0042.3	007.5	036.7	004.1000	0151.5	091.5	39.2
207.0	000.1600	0043.1	007.5	036.6	004.1000	0151.5	091.4	39.2
208.0	000.1600	0043.9	007.6	036.6	004.1000	0151.5	091.3	39.2
209.0	000.1600	0044.5	007.7	036.5	004.1000	0151.1	091.3	39.2
210.0	000.1600	0044.7	007.7	036.4	004.1000	0151.1	091.2	39.3
211.0	000.1600	0044.8	007.7	036.3	004.1000	0151.1	091.2	39.3
212.0	000.1600	0044.9	007.7	036.2	004.1000	0151.1	091.2	39.3
213.0	000.1600	0045.2	007.8	036.2	004.1000	0151.1	091.1	39.3
214.0	000.1600	0045.5	007.8	036.1	004.1000	0151.1	091.1	39.3
215.0	000.1600	0045.5	007.8	036.0	004.1000	0151.1	091.1	39.3
216.0	000.1600	0045.2	007.7	035.9	004.1000	0151.1	091.1	39.3
217.0	000.1600	0044.5	007.7	035.8	004.1000	0151.1	091.2	39.3
218.0	000.1600	0043.5	007.6	035.7	004.1000	0151.1	091.3	39.2
219.0	000.1600	0042.1	007.5	035.7	004.1000	0151.1	091.4	39.2
220.0	000.1600	0040.5	007.3	035.6	004.1000	0151.1	091.6	39.2
221.0	000.1600	0038.8	007.1	035.5	004.1000	0151.1	091.8	39.1
222.0	000.1600	0037.3	007.0	035.4	004.1000	0150.7	091.9	39.0
223.0	000.1600	0036.2	006.9	035.4	004.1000	0150.7	092.0	39.0
224.0	000.1600	0035.9	006.9	035.3	004.1000	0150.7	092.1	39.0
225.0	000.1600	0036.1	006.9	035.2	004.1000	0150.7	092.1	39.0
226.0	000.1600	0036.1	006.9	035.2	004.1000	0150.7	092.1	39.0
227.0	000.1600	0035.5	006.8	035.1	004.1000	0150.7	092.2	39.0
228.0	000.1600	0034.5	006.7	035.0	004.1000	0150.7	092.3	38.9
229.0	000.1600	0033.5	006.7	035.0	004.1000	0150.7	092.4	38.9
230.0	000.1600	0032.9	006.6	034.9	004.1000	0150.7	092.5	38.9

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A11

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

WEPS - BLED-19861120KD
Channel = 205A
Max ERP = 0.74 kW
RCAMSL = 259 M
N. Lat = 42 02 17
W. Lng = 88 16 15

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
030.0	004.1000	0149.1	031.0	216.9	000.7400	0019.2	068.7	30.8
031.0	004.1000	0149.5	031.0	216.5	000.7400	0019.8	068.6	30.9
032.0	004.1000	0149.8	031.0	216.0	000.7400	0019.8	068.6	30.9
033.0	004.1000	0150.1	031.1	215.6	000.7400	0019.8	068.5	30.9
034.0	004.1000	0150.4	031.1	215.1	000.7400	0020.0	068.5	30.9
035.0	004.1000	0150.7	031.1	214.7	000.7400	0020.0	068.4	30.9
036.0	004.1000	0151.1	031.2	214.2	000.7400	0020.6	068.4	30.9
037.0	004.1000	0151.5	031.2	213.7	000.7400	0020.6	068.4	30.9
038.0	004.1000	0152.1	031.3	213.3	000.7400	0021.6	068.4	30.9
039.0	004.1000	0152.7	031.3	212.8	000.7400	0021.6	068.4	30.9
040.0	004.1000	0153.4	031.4	212.4	000.7400	0023.2	068.4	30.9
041.0	004.1000	0154.1	031.5	211.9	000.7400	0023.2	068.4	30.9
042.0	004.1000	0154.8	031.6	211.4	000.7400	0025.3	068.4	30.9
043.0	004.1000	0155.6	031.6	211.0	000.7400	0025.3	068.4	30.9
044.0	004.1000	0156.4	031.7	210.5	000.7400	0027.6	068.5	30.9
045.0	004.1000	0157.2	031.8	210.0	000.7400	0027.6	068.5	30.9
046.0	004.1000	0158.4	031.9	209.6	000.7400	0027.6	068.5	30.9
047.0	004.1000	0159.8	032.1	209.1	000.7400	0029.5	068.6	30.9
048.0	004.1000	0161.7	032.3	208.6	000.7400	0029.5	068.6	30.9
049.0	004.1000	0163.9	032.5	208.1	000.7400	0030.9	068.5	31.0
050.0	004.1000	0166.5	032.8	207.5	000.7400	0030.9	068.5	31.0
051.0	004.1000	0169.5	033.1	207.0	000.7400	0032.1	068.4	31.1
052.0	004.1000	0172.8	033.4	206.4	000.7400	0033.0	068.4	31.2
053.0	004.1000	0176.0	033.7	205.9	000.7400	0033.0	068.4	31.2
054.0	004.1000	0178.9	034.0	205.3	000.7400	0034.0	068.4	31.3
055.0	004.1000	0181.4	034.2	204.8	000.7400	0034.0	068.5	31.3
056.0	004.1000	0183.7	034.4	204.3	000.7400	0035.1	068.7	31.4
057.0	004.1000	0185.6	034.5	203.8	000.7400	0035.1	068.8	31.3
058.0	004.1000	0187.0	034.7	203.3	000.7400	0036.2	069.1	31.4
059.0	004.1000	0187.8	034.7	202.9	000.7400	0036.2	069.4	31.3
060.0	004.1000	0188.2	034.8	202.5	000.7400	0037.4	069.7	31.4
061.0	004.1000	0188.2	034.8	202.1	000.7400	0037.4	070.1	31.3
062.0	004.1000	0188.1	034.8	201.7	000.7400	0037.4	070.5	31.2
063.0	004.1000	0188.1	034.8	201.4	000.7400	0038.9	070.9	31.3
064.0	004.1000	0187.9	034.7	201.0	000.7400	0038.9	071.3	31.2
065.0	004.1000	0187.4	034.7	200.7	000.7400	0038.9	071.8	31.1
066.0	004.1000	0186.6	034.6	200.4	000.7400	0040.4	072.2	31.1
067.0	004.1000	0185.7	034.6	200.1	000.7400	0040.4	072.7	31.0
068.0	004.1000	0184.7	034.5	199.8	000.7400	0040.4	073.2	30.9
069.0	004.1000	0183.5	034.4	199.6	000.7400	0040.4	073.8	30.8
070.0	004.1000	0182.2	034.3	199.3	000.7400	0041.3	074.3	30.8

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A12

WEPS - BLED-19861120KD
Channel = 205A
Max ERP = 0.74 kW
RCAMSL = 259 M
N. Lat = 42 02 17
W. Lng = 88 16 15

WWGN - Proposed
Channel = 205B1
Max ERP = 4.1 kW
RCAMSL = 332.2 M
N. Lat = 41 18 05
W. Lng = 88 57 11

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
185.0	000.7400	0031.7	009.7	037.5	004.1000	0151.5	091.4	39.2
186.0	000.7400	0032.3	009.7	037.4	004.1000	0151.5	091.2	39.3
187.0	000.7400	0033.1	009.8	037.4	004.1000	0151.5	091.0	39.3
188.0	000.7400	0034.2	010.0	037.3	004.1000	0151.5	090.8	39.4
189.0	000.7400	0035.5	010.2	037.3	004.1000	0151.5	090.6	39.5
190.0	000.7400	0036.1	010.3	037.2	004.1000	0151.5	090.4	39.5
191.0	000.7400	0036.6	010.3	037.1	004.1000	0151.5	090.3	39.5
192.0	000.7400	0037.0	010.4	037.0	004.1000	0151.5	090.2	39.6
193.0	000.7400	0036.8	010.3	036.9	004.1000	0151.5	090.1	39.6
194.0	000.7400	0036.9	010.4	036.8	004.1000	0151.5	090.0	39.6
195.0	000.7400	0038.2	010.5	036.8	004.1000	0151.5	089.8	39.7
196.0	000.7400	0039.9	010.8	036.7	004.1000	0151.5	089.5	39.8
197.0	000.7400	0041.0	010.9	036.6	004.1000	0151.5	089.3	39.8
198.0	000.7400	0041.4	011.0	036.5	004.1000	0151.5	089.2	39.9
199.0	000.7400	0041.3	011.0	036.4	004.1000	0151.1	089.1	39.9
200.0	000.7400	0040.4	010.8	036.3	004.1000	0151.1	089.2	39.8
201.0	000.7400	0038.9	010.6	036.1	004.1000	0151.1	089.3	39.8
202.0	000.7400	0037.4	010.4	036.0	004.1000	0151.1	089.5	39.8
203.0	000.7400	0036.2	010.3	035.8	004.1000	0151.1	089.6	39.7
204.0	000.7400	0035.1	010.1	035.7	004.1000	0151.1	089.7	39.7
205.0	000.7400	0034.0	010.0	035.6	004.1000	0151.1	089.8	39.7
206.0	000.7400	0033.0	009.8	035.4	004.1000	0150.7	089.9	39.6
207.0	000.7400	0032.1	009.7	035.3	004.1000	0150.7	090.0	39.6
208.0	000.7400	0030.9	009.6	035.2	004.1000	0150.7	090.2	39.5
209.0	000.7400	0029.5	009.4	035.1	004.1000	0150.7	090.3	39.5
210.0	000.7400	0027.6	009.4	035.0	004.1000	0150.7	090.2	39.5
211.0	000.7400	0025.3	009.4	034.9	004.1000	0150.7	090.2	39.5
212.0	000.7400	0023.2	009.4	034.8	004.1000	0150.7	090.2	39.5
213.0	000.7400	0021.6	009.4	034.7	004.1000	0150.7	090.2	39.5
214.0	000.7400	0020.6	009.4	034.6	004.1000	0150.7	090.2	39.5
215.0	000.7400	0020.0	009.4	034.5	004.1000	0150.4	090.2	39.5
216.0	000.7400	0019.8	009.4	034.4	004.1000	0150.4	090.2	39.5
217.0	000.7400	0019.2	009.4	034.3	004.1000	0150.4	090.2	39.5
218.0	000.7400	0018.3	009.4	034.2	004.1000	0150.4	090.2	39.5
219.0	000.7400	0017.6	009.4	034.0	004.1000	0150.4	090.2	39.5
220.0	000.7400	0017.2	009.4	033.9	004.1000	0150.4	090.2	39.5
221.0	000.7400	0017.0	009.4	033.8	004.1000	0150.4	090.3	39.5
222.0	000.7400	0016.6	009.4	033.7	004.1000	0150.4	090.3	39.5
223.0	000.7400	0016.3	009.4	033.6	004.1000	0150.4	090.3	39.5
224.0	000.7400	0016.1	009.4	033.5	004.1000	0150.4	090.3	39.5
225.0	000.7400	0016.1	009.4	033.4	004.1000	0150.1	090.4	39.5

MINOR CHANGE APPLICATION
AMERICAN FAMILY ASSOCIATION
WWGN RADIO STATION
CH 205B1 - 88.9 MHZ - 1.4 KW (H)/4.1 KW (V)
OTTAWA, ILLINOIS
April 2005

EXHIBIT A13

Predicted contour:

N. Lat. = 41 18 05 - Tabulated Protected and Interfering Contour Data
W. Lng. = 88 57 11 - WWGN Radio Station - Ottawa, Illinois

HAAT and Distance to Contour - FCC Method - 30 Arc Second terrain database

Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	146.3	4.1000	6.13	1.000	30.68	87.98	46.56	2.84
010	145.5	4.1000	6.13	1.000	30.60	87.88	46.46	2.84
020	147.2	4.1000	6.13	1.000	30.77	88.12	46.68	2.85
030	149.1	4.1000	6.13	1.000	30.97	88.39	46.93	2.87
040	153.4	4.1000	6.13	1.000	31.40	88.98	47.48	2.90
050	166.5	4.1000	6.13	1.000	32.77	90.76	49.17	2.99
060	188.2	4.1000	6.13	1.000	34.77	93.55	51.82	3.14
070	182.2	4.1000	6.13	1.000	34.26	92.79	51.11	3.10
080	163.3	4.1000	6.13	1.000	32.44	90.34	48.77	2.97
090	156.2	4.1000	6.13	1.000	31.69	89.37	47.84	2.92
100	149.2	4.1000	6.13	1.000	30.97	88.40	46.93	2.87
110	145.3	4.1000	6.13	1.000	30.58	87.85	46.43	2.84
120	143.0	4.1000	6.13	1.000	30.35	87.52	46.14	2.82
130	138.0	4.1000	6.13	1.000	29.86	86.79	45.49	2.78
140	133.7	4.1000	6.13	1.000	29.45	86.16	44.94	2.75
150	133.1	4.1000	6.13	1.000	29.39	86.07	44.86	2.74
160	139.8	4.1000	6.13	1.000	30.04	87.06	45.73	2.79
170	139.8	4.1000	6.13	1.000	30.04	87.05	45.72	2.79
180	137.3	4.1000	6.13	1.000	29.80	86.69	45.40	2.78
190	134.1	4.1000	6.13	1.000	29.49	86.22	44.99	2.75
200	132.8	4.1000	6.13	1.000	29.37	86.02	44.82	2.74
210	135.2	4.1000	6.13	1.000	29.60	86.38	45.13	2.76
220	135.5	4.1000	6.13	1.000	29.63	86.43	45.18	2.76
230	137.6	4.1000	6.13	1.000	29.83	86.74	45.45	2.78
240	140.6	4.1000	6.13	1.000	30.12	87.17	45.83	2.80
250	144.7	4.1000	6.13	1.000	30.53	87.77	46.36	2.83
260	146.1	4.1000	6.13	1.000	30.67	87.97	46.54	2.84
270	157.7	4.1000	6.13	1.000	31.85	89.57	48.03	2.93
280	170.1	4.1000	6.13	1.000	33.13	91.24	49.64	3.02
290	165.9	4.1000	6.13	1.000	32.70	90.68	49.10	2.99
300	166.4	4.1000	6.13	1.000	32.76	90.74	49.16	2.99
310	161.4	4.1000	6.13	1.000	32.24	90.08	48.52	2.96
320	156.9	4.1000	6.13	1.000	31.77	89.47	47.94	2.92
330	148.9	4.1000	6.13	1.000	30.94	88.36	46.90	2.86
340	147.6	4.1000	6.13	1.000	30.81	88.18	46.73	2.85
350	147.1	4.1000	6.13	1.000	30.76	88.10	46.67	2.85

AMSL= 332.2 M