

MINOR CHANGE APPLICATION
CUMULUS LICENSING LLC
WJOD (FM) RADIO STATION
CH 277C3 - 103.3 MHZ - 9.0 KW
ASBURY, IOWA
June 2008

EXHIBIT A

The proposed WJOD antenna location will be shortspaced to one other FM station, KNEI-FM, Channel 278C2, Wauken, Iowa. The relevant distance between the stations is shown on Exhibit A1. Cumulus proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage to this station complies with §73.215(e) of the Commission's rules.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WJOD and the authorized KNEI-FM. The contours of KNEI-FM are based on 50.0 kilowatts at 150.0 meters HAAT.¹ Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed WJOD and authorized KNEI-FM. Further, attached as Exhibit B5 are the tabulated and protected contours of the proposed facility in ten degree increments. Again, there is no prohibited overlap between the facilities.

1) KNEI-FM is authorized to operate with an over height Class C2 facility. Therefore, the center of radiation was lowered to bring the HAAT to 150.0 meters, and the power was raised to 50.0 kilowatts for the §73.215 review.

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EXHIBIT A1

Clearance Study for WJOD Asbury, Iowa
Using Proposed Site as Reference

REFERENCE	CLASS = C3	DISPLAY DATES
42 30 10.0 N.		DATA 06-06-08
90 42 24.0 W.	Current Spacings to 3rd Adj.	SEARCH 06-10-08
----- Channel 277 - 103.3 MHz -----		

Call	Channel	Location	Ant	Azi	Dist	FCC	Margin
	Lat.	Lng.		Power	HAAT		
WJOD	LIC 277C3	Asbury		IA 134.2	15.67	153.0	-137.33
	42 24 16.0	90 34 12.0	CN	6.600 kW	196 M		
	Cumulus Licensing LLC			BLH-19940401KC			
* KNEI-FM	LIC 278C2	Waukon		IA 326.0	108.31	117.0	-8.69
	43 18 28.0	91 27 18.0	C	37.000 kW	175 M		
	Wennes Communications			BLH-20010627AAZ			
WLLR-FM	LIC 279C	Davenport		IA 169.8	107.86	96.0	11.86
	41 32 49.0	90 28 35.0	CY	100.000 kW	363 M		
	Citicasters Licenses, L.p.			BLH-19821112AR			
WGLX-FM	LIC 277C1	Wisconsin Rapids		WI 18.0	223.95	211.0	12.95
	44 24 57.0	89 50 04.0	CN	100.000 kW	99 M		
	Nrg License Sub, Llc			BLH-19980910KB			
KZIA	LIC 275C1	Cedar Rapids		IA 239.0	95.38	76.0	19.38
	42 03 25.0	91 41 42.0	C	100.000 kW	287 M		
	Kzia, Inc.			BLH-20010521ABM			
KAZR	LIC 277C1	Pella		IA 244.3	239.98	211.0	28.98
	41 32 18.0	93 17 58.0	CN	100.000 kW	227 M		
	Saga Communications Of Iowa			BMLH-19931025KA			
WGLX-FM	APP-N 277C1	Wisconsin Rapids		WI 15.8	247.69	211.0	36.69
	44 38 39.0	89 51 12.0	NCX	65.000 kW	244 M		
	Nrg License Sub, Llc			BPH-20050406ACK			
WIVQ	LIC 277A	Spring Valley		IL 137.2	180.71	142.0	38.71
	41 18 09.0	89 14 11.0	C	4.900 kW	110 M		
	Mendota Broadcasting, Inc			BLH-19991227AAP			
WGFB	LIC 276A	Rockton		IL 95.9	134.12	89.0	45.12
	42 22 02.0	89 05 13.0	CN	1.200 kW	160 M		
	Maverick Media Of Rockford			BLH-19891218KB			

* Note : This shortage is addressed under §73.215 of the rules, see Exhibit A

Graham Brock, Inc. - Broadcast Technical Consultants

WJOD - Proposed

Latitude: 42-30-10 N
Longitude: 090-42-24 W
ERP: 9.00 kW
Channel: 277C3
Frequency: 103.3 MHz
AMSL Height: 359.2 m

KNEI-FM

BLH-20010627AAZ
Latitude: 43-18-28 N
Longitude: 091-27-18 W
ERP: 50.00 kW
Channel: 278C2
Frequency: 103.5 MHz
AMSL Height: 463.483 m

KNEI-FM 54 dBu (50/10)

KNEI-FM 60 dBu (50/50)

WJOD 60 dbu (50/50)

WJOD 54 dBu (50/10)

**EXHIBIT A2
MINOR CHANGE APPLICATION
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WJOD (FM) RADIO STATION
CH 277C3 - 103.3 MHz - 9.0 KW
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June 2008**

Scale 1:1,150,000

0 20 40 60 km

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WJOD (FM) RADIO STATION
CH 277C3 - 103.3 MHZ - 9.0 KW
ASBURY, IOWA
June 2008

EXHIBIT A3

WJOD - Proposed
Channel = 277C3
Max ERP = 9 kW
RCAMSL = 359 M
N. Lat = 42 30 10
W. Lng = 90 42 24

KNEI-FM - BLH-20010627AAZ
Channel = 278C2
Max ERP = 50 kW
RCAMSL = 463 M
N. Lat = 43 18 28
W. Lng = 91 27 18

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)
299.0	009.0000	0105.7	031.9	155.8	050.0000	0125.1	081.0	52.0
300.0	009.0000	0107.5	032.2	155.6	050.0000	0125.1	080.5	52.1
301.0	009.0000	0109.0	032.4	155.4	050.0000	0125.3	080.0	52.3
302.0	009.0000	0110.1	032.6	155.1	050.0000	0125.3	079.5	52.4
303.0	009.0000	0111.1	032.7	154.8	050.0000	0125.3	079.1	52.5
304.0	009.0000	0112.4	032.9	154.5	050.0000	0125.3	078.7	52.7
305.0	009.0000	0114.0	033.1	154.2	050.0000	0126.5	078.2	52.9
306.0	009.0000	0115.9	033.4	153.9	050.0000	0126.5	077.7	53.0
307.0	009.0000	0117.7	033.6	153.6	050.0000	0126.5	077.2	53.2
308.0	009.0000	0119.2	033.8	153.3	050.0000	0128.4	076.8	53.4
309.0	009.0000	0120.3	033.9	153.0	050.0000	0128.4	076.4	53.5
310.0	009.0000	0120.7	033.9	152.6	050.0000	0128.4	076.1	53.6
311.0	009.0000	0120.4	033.9	152.1	050.0000	0130.5	076.0	53.7
312.0	009.0000	0119.8	033.8	151.7	050.0000	0130.5	075.8	53.8
313.0	009.0000	0119.1	033.8	151.3	050.0000	0132.4	075.7	53.9
314.0	009.0000	0118.1	033.6	150.8	050.0000	0132.4	075.6	53.9
315.0	009.0000	0115.9	033.4	150.3	050.0000	0134.0	075.7	54.0
316.0	009.0000	0113.2	033.0	149.8	050.0000	0134.0	075.9	53.9
317.0	009.0000	0110.6	032.6	149.3	050.0000	0135.6	076.2	53.9
318.0	009.0000	0108.5	032.3	148.9	050.0000	0135.6	076.3	53.9
319.0	009.0000	0106.7	032.1	148.4	050.0000	0136.6	076.5	53.9
320.0	009.0000	0105.2	031.8	148.0	050.0000	0136.6	076.6	53.8
321.0	009.0000	0103.8	031.6	147.6	050.0000	0136.6	076.8	53.8
322.0	009.0000	0102.2	031.4	147.1	050.0000	0137.3	077.0	53.8
323.0	009.0000	0100.0	031.1	146.7	050.0000	0137.3	077.2	53.7
324.0	009.0000	0097.5	030.7	146.3	050.0000	0137.6	077.6	53.6
325.0	009.0000	0095.1	030.3	145.9	050.0000	0137.6	078.0	53.5
326.0	009.0000	0093.9	030.1	145.5	050.0000	0138.0	078.2	53.4
327.0	009.0000	0094.1	030.1	145.1	050.0000	0138.0	078.1	53.4
328.0	009.0000	0095.3	030.3	144.7	050.0000	0138.0	078.0	53.5
329.0	009.0000	0096.5	030.5	144.3	050.0000	0138.5	077.8	53.6
330.0	009.0000	0097.2	030.6	143.9	050.0000	0138.5	077.8	53.6
331.0	009.0000	0097.3	030.6	143.5	050.0000	0138.5	077.8	53.6
332.0	009.0000	0097.3	030.6	143.1	050.0000	0139.1	077.9	53.6
333.0	009.0000	0097.8	030.7	142.7	050.0000	0139.1	077.9	53.6
334.0	009.0000	0099.3	031.0	142.3	050.0000	0139.7	077.7	53.6
335.0	009.0000	0101.2	031.2	141.9	050.0000	0139.7	077.6	53.7
336.0	009.0000	0102.6	031.4	141.4	050.0000	0140.4	077.5	53.7

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EXHIBIT A3 (continued)

WJOD - Proposed
Channel = 277C3
Max ERP = 9 kW
RCAMSL = 359 M
N. Lat = 42 30 10
W. Lng = 90 42 24

KNEI-FM - BLH-20010627AAZ
Channel = 278C2
Max ERP = 50 kW
RCAMSL = 463 M
N. Lat = 43 18 28
W. Lng = 91 27 18

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)
337.0	009.0000	0103.6	031.6	141.0	050.0000	0140.4	077.5	53.7
338.0	009.0000	0105.4	031.9	140.6	050.0000	0140.4	077.4	53.8
339.0	009.0000	0107.9	032.3	140.1	050.0000	0141.2	077.2	53.9
340.0	009.0000	0110.5	032.6	139.6	050.0000	0141.2	077.0	53.9
341.0	009.0000	0112.7	032.9	139.1	050.0000	0142.0	077.0	54.0
342.0	009.0000	0114.7	033.2	138.7	050.0000	0142.0	076.9	54.0
343.0	009.0000	0116.4	033.4	138.2	050.0000	0142.2	077.0	54.0
344.0	009.0000	0117.8	033.6	137.7	050.0000	0142.2	077.1	54.0
345.0	009.0000	0118.9	033.7	137.3	050.0000	0141.7	077.2	53.9
346.0	009.0000	0119.7	033.8	136.9	050.0000	0141.7	077.4	53.8
347.0	009.0000	0120.1	033.9	136.5	050.0000	0141.4	077.7	53.7
348.0	009.0000	0120.9	034.0	136.1	050.0000	0141.4	077.9	53.7
349.0	009.0000	0122.4	034.1	135.6	050.0000	0141.4	078.0	53.6
350.0	009.0000	0124.6	034.4	135.2	050.0000	0142.1	078.2	53.6
351.0	009.0000	0126.8	034.7	134.7	050.0000	0142.1	078.3	53.6
352.0	009.0000	0128.0	034.8	134.3	050.0000	0143.5	078.6	53.6
353.0	009.0000	0128.4	034.8	133.9	050.0000	0143.5	078.9	53.5
354.0	009.0000	0128.8	034.9	133.5	050.0000	0143.5	079.3	53.3
355.0	009.0000	0129.4	035.0	133.2	050.0000	0144.9	079.6	53.3
356.0	009.0000	0131.0	035.1	132.8	050.0000	0144.9	079.9	53.2

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EXHIBIT A4

KNEI-FM - BLH-20010627AAZ
Channel = 278C2
Max ERP = 50 kW
RCAMSL = 463 M
N. Lat = 43 18 28
W. Lng = 91 27 18

WJOD - Proposed
Channel = 277C3
Max ERP = 9 kW
RCAMSL = 359 M
N. Lat = 42 30 10
W. Lng = 90 42 24

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)
128.0	050.0000	0140.0	050.8	340.1	009.0000	0110.5	061.9	49.6
129.0	050.0000	0142.1	051.1	339.6	009.0000	0110.5	061.2	49.9
130.0	050.0000	0144.1	051.4	338.9	009.0000	0107.9	060.5	50.0
131.0	050.0000	0145.3	051.6	338.3	009.0000	0105.4	059.9	50.0
132.0	050.0000	0145.6	051.6	337.5	009.0000	0105.4	059.5	50.1
133.0	050.0000	0144.9	051.5	336.7	009.0000	0103.6	059.2	50.1
134.0	050.0000	0143.5	051.3	335.8	009.0000	0102.6	059.0	50.1
135.0	050.0000	0142.1	051.1	334.9	009.0000	0101.2	058.9	50.1
136.0	050.0000	0141.4	051.0	334.1	009.0000	0099.3	058.7	50.0
137.0	050.0000	0141.7	051.1	333.3	009.0000	0097.8	058.4	50.0
138.0	050.0000	0142.2	051.1	332.4	009.0000	0097.3	058.1	50.1
139.0	050.0000	0142.0	051.1	331.6	009.0000	0097.3	057.9	50.2
140.0	050.0000	0141.2	051.0	330.7	009.0000	0097.3	057.9	50.2
141.0	050.0000	0140.4	050.9	329.8	009.0000	0097.2	057.8	50.2
142.0	050.0000	0139.7	050.8	328.9	009.0000	0096.5	057.8	50.2
143.0	050.0000	0139.1	050.7	328.1	009.0000	0095.3	057.8	50.1
144.0	050.0000	0138.5	050.6	327.2	009.0000	0094.1	057.8	50.0
145.0	050.0000	0138.0	050.5	326.3	009.0000	0093.9	057.9	50.0
146.0	050.0000	0137.6	050.5	325.4	009.0000	0095.1	057.9	50.0
147.0	050.0000	0137.3	050.4	324.6	009.0000	0095.1	058.0	50.0
148.0	050.0000	0136.6	050.4	323.7	009.0000	0097.5	058.1	50.1
149.0	050.0000	0135.6	050.2	322.9	009.0000	0100.0	058.4	50.2
150.0	050.0000	0134.0	050.0	322.0	009.0000	0102.2	058.7	50.2
151.0	050.0000	0132.4	049.7	321.2	009.0000	0103.8	059.1	50.2
152.0	050.0000	0130.5	049.5	320.5	009.0000	0105.2	059.5	50.1
153.0	050.0000	0128.4	049.2	319.7	009.0000	0105.2	060.0	50.0
154.0	050.0000	0126.5	048.9	319.0	009.0000	0106.7	060.5	49.9
155.0	050.0000	0125.3	048.7	318.3	009.0000	0108.5	060.9	49.9
156.0	050.0000	0125.1	048.7	317.5	009.0000	0108.5	061.2	49.8
157.0	050.0000	0126.2	048.9	316.7	009.0000	0110.6	061.3	49.8
158.0	050.0000	0128.1	049.1	315.9	009.0000	0113.2	061.4	50.0
159.0	050.0000	0129.7	049.4	315.1	009.0000	0115.9	061.5	50.1
160.0	050.0000	0130.5	049.5	314.3	009.0000	0118.1	061.8	50.1
161.0	050.0000	0130.6	049.5	313.6	009.0000	0118.1	062.1	50.0
162.0	050.0000	0130.8	049.5	312.9	009.0000	0119.1	062.5	49.9
163.0	050.0000	0130.8	049.5	312.2	009.0000	0119.8	063.0	49.8
164.0	050.0000	0130.5	049.5	311.6	009.0000	0119.8	063.5	49.6

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EXHIBIT A5

Predicted Contour:

N. Lat. = 42 30 10 - Tabulated Protected and Interfering Contour Data
W. Lng. = 90 42 24 - WJOD Radio Station - Asbury, Iowa

HAAT and Distance to Contour - FCC Method - NGDC 30 Second terrain database
Azi. HAAT ERP kW dBk Field 60-F5 40-F1 54-F1 100-F1

000	144.7	9.0000	9.54	1.000	36.76	100.11	55.14	3.60
010	161.1	9.0000	9.54	1.000	38.66	102.43	57.41	3.80
020	151.3	9.0000	9.54	1.000	37.54	101.06	56.06	3.68
030	134.9	9.0000	9.54	1.000	35.60	98.69	53.78	3.49
040	122.1	9.0000	9.54	1.000	34.10	96.75	52.00	3.35
050	120.8	9.0000	9.54	1.000	33.95	96.55	51.82	3.34
060	120.3	9.0000	9.54	1.000	33.90	96.48	51.75	3.33
070	121.0	9.0000	9.54	1.000	33.98	96.59	51.86	3.34
080	116.0	9.0000	9.54	1.000	33.37	95.81	51.13	3.28
090	124.9	9.0000	9.54	1.000	34.43	97.18	52.39	3.38
100	135.1	9.0000	9.54	1.000	35.62	98.71	53.80	3.49
110	154.2	9.0000	9.54	1.000	37.88	101.46	56.46	3.72
120	170.8	9.0000	9.54	1.000	39.71	103.77	58.71	3.90
130	151.1	9.0000	9.54	1.000	37.52	101.03	56.04	3.68
140	112.4	9.0000	9.54	1.000	32.88	95.23	50.55	3.24
150	101.5	9.0000	9.54	1.000	31.29	93.48	48.61	3.09
160	92.2	9.0000	9.54	1.000	29.85	91.92	46.61	2.95
170	85.6	9.0000	9.54	1.000	28.80	90.78	45.05	2.86
180	79.5	9.0000	9.54	1.000	27.82	89.70	43.50	2.77
190	78.5	9.0000	9.54	1.000	27.65	89.51	43.22	2.76
200	85.1	9.0000	9.54	1.000	28.72	90.69	44.92	2.85
210	77.9	9.0000	9.54	1.000	27.56	89.41	43.07	2.75
220	60.8	9.0000	9.54	1.000	24.76	86.19	38.22	2.50
230	64.8	9.0000	9.54	1.000	25.42	86.96	39.40	2.56
240	81.2	9.0000	9.54	1.000	28.09	89.99	43.92	2.80
250	59.9	9.0000	9.54	1.000	24.62	86.01	37.95	2.49
260	70.3	9.0000	9.54	1.000	26.33	88.02	41.00	2.64
270	80.1	9.0000	9.54	1.000	27.92	89.81	43.66	2.78
280	68.5	9.0000	9.54	1.000	26.02	87.67	40.47	2.61
290	85.5	9.0000	9.54	1.000	28.77	90.75	45.00	2.86
300	107.7	9.0000	9.54	1.000	32.22	94.48	49.76	3.18
310	120.9	9.0000	9.54	1.000	33.97	96.57	51.84	3.34
320	105.4	9.0000	9.54	1.000	31.87	94.11	49.34	3.14
330	97.4	9.0000	9.54	1.000	30.65	92.79	47.75	3.02
340	110.7	9.0000	9.54	1.000	32.66	94.97	50.29	3.22
350	124.8	9.0000	9.54	1.000	34.42	97.17	52.37	3.38

AMSL= 359.2 M