

MINOR CHANGE APPLICATION
JMD, INC.
WZNF (FM) RADIO STATION
CH 237C0 - 95.3 MHZ - 70.0 KW
LUMBERTON, MISSISSIPPI
October 2003

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The WZNF proposed antenna location will be shortspaced to one other FM broadcast facility, WDBT, Channel 238C, Jackson, Mississippi, as authorized in BPH-20020227ABK. The detailed spacing information with regard to these facilities is shown on Exhibit A1. JMD, Inc., proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage to this facility complies with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class C0 height and power.¹

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WZNF facility and the construction permitted WDBT facility. The contours of the WDBT facility are based on a maximum effective radiated power of 100.0 kilowatts at 600 meters height above average terrain. Attached as Exhibits A3 through A4 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WZNF facility and the construction permitted WDBT. Further, attached as Exhibit A5 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited contour overlap between the facilities.

1) It is noted that at 360 meters HAAT and 70 kW ERP the reference distance is 73 km, greater than the minimum 72 km for a Class C0 facility as specified in §73.210(b)(3)(iv).

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EXHIBIT A1

Site Spacing Study for Channel 237C0 Lumberton, Mississippi
Using Proposed/Existing Site As Reference

REFERENCE	CLASS = C0	DISPLAY DATES
30 44 48 N		DATA 10-10-03
89 03 30 W	Current Spacings	SEARCH 10-13-03
----- Channel 237 - 95.3 MHz -----		

Call	Channel	Location	Dist	Azi	FCC	Margin
N. Lat.	W. Lng.	Ant	Power	HAAT		
WZNF	LIC-N 237C1	Lumberton	MS	0.00	0.0	-259.00
30 44 48	89 03 30	NCN	50.000 kW	360 M		
Jmd, Inc. BLH-19971006KF						

* WDBT.C CP	238C	Jackson	MS	209.25	322.8	-10.75
32 14 26	90 24 15	CX	100.000 kW	451 M		
Capstar Tx Limited Prtnrshp BPH-20020227ABK						
WOPR	LIC-Z 234A	Lacombe	LA	87.05	231.0	1.05
30 15 08	89 45 46	ZE	5.300 kW	106 M		
Citadel Broadcasting Co. BLH-20000809ABF						
WYYW	LIC-N 236C2	Marion	MS	177.90	11.2	1.90
32 19 12	88 41 27	NCN	26.000 kW	182 M		
Clear Channel Broadcasting BLH-19900222KB						
WDBT	LIC 238C0	Jackson	MS	209.25	322.8	2.25
32 14 26	90 24 15	CX	100.000 kW	340 M		
Capstar Tx Limited Prtnrshp BLH-20020227ABJ						
WJDBFM	LIC-N 238C3	Thomasville	AL	165.49	47.8	2.49
31 44 25	87 45 43	NCN	9.600 kW	160 M		
Griffin Broadcasting Corp. BLH-19940316KD						
WBBN.A	APP-Z 240C1	Taylorsville	MS	106.16	338.1	12.16
31 38 02	89 28 38	ZCX	100.000 kW	223 M		
Blakeney Communications, Inc BMPH-20021121AAD						
WBBN	LIC 240C2	Taylorsville	MS	106.09	338.1	17.09
31 37 59	89 28 40	CN	31.000 kW	190 M		
Blakeney Communications, Inc BLH-19890221KB						
WXRG	LIC 290C3	Pascagoula	MS	45.74	145.9	18.74
30 24 19	88 47 26	CN	25.000 kW	95 M		
Monterey Licenses, Llc BLH-19920608KC						
WQNZ	LIC 236C	Natchez	MS	239.28	291.4	19.28
31 30 33	91 24 19	CY	100.000 kW	322 M		
First Natchez Corporation BLH-19910513KB						

* Note: This shortage is addressed under \$73.215 of the rules.

WZNF - Proposed
Latitude: 30-44-48 N
Longitude: 089-03-30 W
ERP: 70.00 kW
Channel: 237C0
AMSL Height: 406.0 m
Elevation: 73.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

WDBT - CP
BPH-20020227ABK
Latitude: 32-14-26 N
Longitude: 090-24-15 W
ERP: 100.00 kW
Channel: 238C
AMSL Height: 678.93 m
Elevation: 91.933 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

WDBT CP 54 dBu (50/10)

WDBT CP 60 dBu (50/50)

WZNF 54 dBu (50/10)

WZNF 60 dBu (50/50)

EXHIBIT A2
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Scale 1:1,750,000
0 20 40 60 km

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EXHIBIT A3

WZNF - Proposed
Channel = 237C0
Max ERP = 70 kW
RCAMSL = 406 M
N. Lat = 30 44 48
W. Lng = 89 03 30

* WDBT.C BPH-20020227ABK
Channel = 238C
Max ERP = 100 kW
RCAMSL = 689 M
N. Lat = 32 14 26
W. Lng = 90 24 15

Protected
60 dBu

Interfering
54 dBu

30 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
303.0	070.0000	0365.0	073.5	152.2	100.0000	0584.9	141.9	52.4
304.0	070.0000	0366.9	073.7	151.8	100.0000	0584.9	141.1	52.6
305.0	070.0000	0368.5	073.8	151.4	100.0000	0585.6	140.4	52.8
306.0	070.0000	0369.5	073.9	150.9	100.0000	0585.6	139.8	53.0
307.0	070.0000	0370.1	073.9	150.4	100.0000	0586.3	139.2	53.1
308.0	070.0000	0370.2	073.9	149.9	100.0000	0586.3	138.7	53.3
309.0	070.0000	0370.0	073.9	149.4	100.0000	0587.0	138.3	53.4
310.0	070.0000	0369.4	073.8	148.9	100.0000	0587.0	137.9	53.5
311.0	070.0000	0368.4	073.8	148.4	100.0000	0587.8	137.5	53.6
312.0	070.0000	0366.8	073.7	147.9	100.0000	0587.8	137.3	53.7
313.0	070.0000	0364.8	073.5	147.3	100.0000	0588.5	137.1	53.7
314.0	070.0000	0362.7	073.4	146.8	100.0000	0588.5	136.9	53.8
315.0	070.0000	0360.7	073.2	146.3	100.0000	0589.2	136.8	53.8
316.0	070.0000	0359.0	073.1	145.7	100.0000	0589.2	136.7	53.8
317.0	070.0000	0357.6	073.0	145.2	100.0000	0589.3	136.6	53.9
318.0	070.0000	0356.8	072.9	144.7	100.0000	0589.3	136.4	53.9
319.0	070.0000	0356.4	072.9	144.1	100.0000	0588.7	136.3	53.9
320.0	070.0000	0356.3	072.9	143.6	100.0000	0588.7	136.2	53.9
321.0	070.0000	0356.3	072.9	143.1	100.0000	0587.4	136.2	53.9
322.0	070.0000	0356.2	072.9	142.5	100.0000	0587.4	136.1	53.9
323.0	070.0000	0356.0	072.9	142.0	100.0000	0585.7	136.2	53.9
324.0	070.0000	0355.5	072.9	141.5	100.0000	0584.1	136.2	53.9
325.0	070.0000	0355.0	072.8	140.9	100.0000	0584.1	136.3	53.9
326.0	070.0000	0354.5	072.8	140.4	100.0000	0582.8	136.5	53.8
327.0	070.0000	0354.1	072.8	139.9	100.0000	0582.8	136.6	53.8
328.0	070.0000	0353.7	072.7	139.3	100.0000	0581.8	136.8	53.7
329.0	070.0000	0353.1	072.7	138.8	100.0000	0581.8	137.1	53.6
330.0	070.0000	0352.7	072.6	138.3	100.0000	0580.9	137.3	53.6
331.0	070.0000	0352.6	072.6	137.8	100.0000	0580.9	137.6	53.5
332.0	070.0000	0352.7	072.6	137.3	100.0000	0579.7	137.9	53.4
333.0	070.0000	0353.0	072.7	136.8	100.0000	0579.7	138.2	53.3
334.0	070.0000	0353.3	072.7	136.2	100.0000	0578.6	138.6	53.2
335.0	070.0000	0353.9	072.7	135.7	100.0000	0578.6	138.9	53.1
336.0	070.0000	0354.5	072.8	135.2	100.0000	0577.6	139.3	53.0
337.0	070.0000	0354.5	072.8	134.8	100.0000	0577.6	139.8	52.9
338.0	070.0000	0354.0	072.7	134.3	100.0000	0576.9	140.3	52.7
339.0	070.0000	0353.3	072.7	133.8	100.0000	0576.9	140.9	52.6
340.0	070.0000	0353.0	072.7	133.4	100.0000	0576.6	141.4	52.4
341.0	070.0000	0353.1	072.7	132.9	100.0000	0576.6	142.0	52.3
342.0	070.0000	0353.5	072.7	132.4	100.0000	0576.8	142.6	52.1
343.0	070.0000	0353.7	072.7	132.0	100.0000	0576.8	143.2	52.0

* - WDBT STUDIED AT MAXIMUM CLASS C FACILITIES

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EXHIBIT A4

* WDBT.C BPH-20020227ABK
Channel = 238C
Max ERP = 100 kW
RCAMSL = 688.7 M
N. Lat = 32 14 26
W. Lng = 90 24 15

WZNF - Proposed
Channel = 237C0
Max ERP = 70 kW
RCAMSL = 406 M
N. Lat = 30 44 48
W. Lng = 89 03 30

Protected
60 dBu

Interfering
54 dBu

30 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
122.0	100.0000	0587.6	091.3	336.9	070.0000	0354.5	127.7	48.6
123.0	100.0000	0587.0	091.3	336.3	070.0000	0354.5	126.9	48.8
124.0	100.0000	0586.2	091.3	335.6	070.0000	0354.5	126.0	49.0
125.0	100.0000	0584.9	091.2	335.0	070.0000	0353.9	125.3	49.2
126.0	100.0000	0583.3	091.2	334.3	070.0000	0353.3	124.6	49.4
127.0	100.0000	0581.7	091.1	333.7	070.0000	0353.3	123.9	49.5
128.0	100.0000	0580.3	091.0	333.0	070.0000	0353.0	123.3	49.7
129.0	100.0000	0579.0	091.0	332.3	070.0000	0352.7	122.7	49.8
130.0	100.0000	0578.0	091.0	331.6	070.0000	0352.7	122.1	49.9
131.0	100.0000	0577.1	090.9	330.9	070.0000	0352.6	121.6	50.0
132.0	100.0000	0576.5	090.9	330.2	070.0000	0352.7	121.1	50.2
133.0	100.0000	0576.3	090.9	329.5	070.0000	0353.1	120.7	50.3
134.0	100.0000	0576.6	090.9	328.8	070.0000	0353.1	120.2	50.4
135.0	100.0000	0577.3	090.9	328.0	070.0000	0353.7	119.8	50.5
136.0	100.0000	0578.3	091.0	327.3	070.0000	0354.1	119.5	50.6
137.0	100.0000	0579.4	091.0	326.6	070.0000	0354.1	119.1	50.7
138.0	100.0000	0580.6	091.1	325.8	070.0000	0354.5	118.9	50.8
139.0	100.0000	0581.5	091.1	325.0	070.0000	0355.0	118.7	50.9
140.0	100.0000	0582.5	091.1	324.3	070.0000	0355.5	118.5	50.9
141.0	100.0000	0583.8	091.2	323.5	070.0000	0355.5	118.4	51.0
142.0	100.0000	0585.4	091.3	322.8	070.0000	0356.0	118.3	51.0
143.0	100.0000	0587.1	091.3	322.0	070.0000	0356.2	118.2	51.0
144.0	100.0000	0588.4	091.4	321.2	070.0000	0356.3	118.2	51.0
145.0	100.0000	0589.0	091.4	320.4	070.0000	0356.3	118.3	51.0
146.0	100.0000	0588.9	091.4	319.7	070.0000	0356.3	118.5	51.0
147.0	100.0000	0588.2	091.4	318.9	070.0000	0356.4	118.7	50.9
148.0	100.0000	0587.5	091.3	318.2	070.0000	0356.8	119.0	50.9
149.0	100.0000	0586.7	091.3	317.4	070.0000	0357.6	119.4	50.8
150.0	100.0000	0586.0	091.3	316.7	070.0000	0357.6	119.7	50.7
151.0	100.0000	0585.3	091.2	315.9	070.0000	0359.0	120.2	50.6
152.0	100.0000	0584.6	091.2	315.2	070.0000	0360.7	120.6	50.6
153.0	100.0000	0584.0	091.2	314.5	070.0000	0360.7	121.2	50.5
154.0	100.0000	0583.6	091.2	313.8	070.0000	0362.7	121.7	50.4
155.0	100.0000	0583.4	091.2	313.1	070.0000	0364.8	122.3	50.3
156.0	100.0000	0583.4	091.2	312.4	070.0000	0366.8	122.9	50.3
157.0	100.0000	0583.4	091.2	311.8	070.0000	0366.8	123.6	50.1
158.0	100.0000	0583.4	091.2	311.1	070.0000	0368.4	124.3	50.0
159.0	100.0000	0583.1	091.2	310.5	070.0000	0369.4	125.1	49.8
160.0	100.0000	0582.4	091.1	309.8	070.0000	0369.4	125.9	49.6
161.0	100.0000	0581.3	091.1	309.2	070.0000	0370.0	126.8	49.4
162.0	100.0000	0580.2	091.0	308.7	070.0000	0370.0	127.7	49.2

* - WDBT STUDIED AT MAXIMUM CLASS C1 FACILITIES

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EXHIBIT A5

Predicted contours:

N. Lat. = 30 44 48 - Tabulated Protected and Interfering Contour Data
W. Lng. = 89 03 30 - WZNF, Lumberton, Mississippi

Distance to Contour - FCC Method - 30 Arc Sec.

Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	70-F5	60-F5	54-F1	40-F1
000	52.0	354.0	70.0000	18.45	1.000	9.97	50.27	72.74	106.41	170.11
010	56.6	349.4	70.0000	18.45	1.000	9.91	49.99	72.41	105.76	169.50
020	45.2	360.8	70.0000	18.45	1.000	10.06	50.69	73.23	107.40	170.98
030	42.3	363.7	70.0000	18.45	1.000	10.09	50.86	73.44	107.83	171.33
040	37.9	368.1	70.0000	18.45	1.000	10.15	51.11	73.75	108.45	171.83
050	35.2	370.8	70.0000	18.45	1.000	10.18	51.27	73.95	108.83	172.13
060	29.6	376.4	70.0000	18.45	1.000	10.24	51.59	74.35	109.57	172.70
070	22.2	383.8	70.0000	18.45	1.000	10.32	52.00	74.89	110.46	173.39
080	25.6	380.4	70.0000	18.45	1.000	10.29	51.81	74.64	110.07	173.09
090	39.1	366.9	70.0000	18.45	1.000	10.13	51.04	73.67	108.28	171.69
100	42.5	363.5	70.0000	18.45	1.000	10.09	50.84	73.42	107.79	171.30
110	43.7	362.3	70.0000	18.45	1.000	10.08	50.77	73.34	107.61	171.15
120	41.3	364.7	70.0000	18.45	1.000	10.11	50.91	73.51	107.96	171.44
130	36.6	369.4	70.0000	18.45	1.000	10.16	51.19	73.85	108.64	171.98
140	33.8	372.2	70.0000	18.45	1.000	10.20	51.35	74.05	109.01	172.27
150	30.4	375.6	70.0000	18.45	1.000	10.24	51.54	74.30	109.47	172.63
160	33.5	372.5	70.0000	18.45	1.000	10.20	51.37	74.07	109.06	172.31
170	42.0	364.0	70.0000	18.45	1.000	10.10	50.88	73.46	107.87	171.36
180	51.7	354.3	70.0000	18.45	1.000	9.97	50.29	72.76	106.46	170.15
190	40.1	365.9	70.0000	18.45	1.000	10.12	50.99	73.60	108.14	171.58
200	43.6	362.4	70.0000	18.45	1.000	10.08	50.78	73.34	107.63	171.16
210	46.7	359.3	70.0000	18.45	1.000	10.04	50.59	73.12	107.18	170.78
220	44.3	361.7	70.0000	18.45	1.000	10.07	50.74	73.29	107.53	171.08
230	47.4	358.6	70.0000	18.45	1.000	10.03	50.55	73.07	107.08	170.70
240	51.9	354.1	70.0000	18.45	1.000	9.97	50.27	72.75	106.42	170.12
250	56.5	349.5	70.0000	18.45	1.000	9.91	49.99	72.41	105.77	169.50
260	63.9	342.1	70.0000	18.45	1.000	9.81	49.53	71.88	104.76	168.49
270	64.9	341.1	70.0000	18.45	1.000	9.79	49.46	71.81	104.62	168.35
280	59.7	346.3	70.0000	18.45	1.000	9.86	49.79	72.19	105.33	169.07
290	63.8	342.2	70.0000	18.45	1.000	9.81	49.53	71.89	104.76	168.50
300	47.8	358.2	70.0000	18.45	1.000	10.02	50.52	73.04	107.01	170.64
310	36.6	369.4	70.0000	18.45	1.000	10.16	51.19	73.85	108.63	171.98
320	49.7	356.3	70.0000	18.45	1.000	10.00	50.41	72.91	106.75	170.41
330	53.3	352.7	70.0000	18.45	1.000	9.95	50.19	72.65	106.23	169.94
340	53.0	353.0	70.0000	18.45	1.000	9.95	50.21	72.67	106.27	169.98
350	45.8	360.2	70.0000	18.45	1.000	10.05	50.65	73.19	107.31	170.89

AMSL= 406 M