

**AMEND BMPH-20040429AAY**  
**BPH-20031031ADP**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A**

**Shortspaced Facilities Utilizing Section 73.215**

The WWBD proposed antenna location will be shortspaced to one other FM broadcast facility, WIBZ, Channel 238A, Wedgefield, South Carolina, both the license and construction permit. The detailed spacing information with regard to these facilities is shown on Exhibit A1. Miller proposes to use the provisions of §73.215 of the Commission's rules to address these shortspaced situations. The shortage to these facilities is in compliance with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class C3 facilities for WWBD.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WWBD and either the license or CP for WIBZ. The contours of both the license and CP for WIBZ are based on 6.0 kilowatts effective radiated power at 100 meters height above average terrain.<sup>1</sup> Attached as Exhibits A3 through A6 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WWBD and both the WIBZ license and CP facilities. Further, attached as Exhibit A7 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

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1) WIBZ, both license and CP, are authorized with equivalent Class A facilities. Therefore, the effective radiated was raised and the center of radiation was lowered for both the license and CP to bring the height above average terrain to 100 meters for this §73.215 analysis.

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**EXHIBIT A1**

CLEARANCE STUDY FOR WWBD, BAMBERG, SOUTH CAROLINA  
USING PROPOSED SITE AS REFERENCE

REFERENCE	CLASS = C3				DISPLAY DATES		
33 19 38 N	Current				DATA 12-01-04		
80 57 09 W	Spacings				SEARCH 12-03-04		
----- Channel 239 - 95.7 MHz -----							
Call	Channel	Location	Dist	Azi	FCC	Margin	
N. Lat.	W. Lng.	Ant	Power	HAAT			
-----							
WWBD.A	APP-N 239C3	Bamberg	SC	11.27	328.3	153.0 -141.73	
33 24 49	81 00 59	NCX	7.600 kW	164 M			
Miller Communications, Inc			BMPH20040429AAY				
WWBD.C	CP -Z 239C3	Bamberg	SC	12.21	261.4	153.0 -140.79	
33 18 39	81 04 56	ZCX	25.000 kW	97 M			
Miller Communications, Inc			BPH20031031ADP				
WWBD	LIC 239A	Bamberg	SC	11.83	262.8	142.0 -130.17	
33 18 50	81 04 43	C	6.000 kW	100 M			
Miller Communications, Inc			BLH19970811KC				
* WIBZ	LIC 238A	Wedgfield	SC	86.31	36.7	89.0 -2.69	
33 56 56	80 23 34	CX	6.000 kW	100 M			
Miller Communications, Inc			BLH20020606AAY				
* WIBZ.C	CP 238A	Wedgfield	SC	86.63	42.0	89.0 -2.37	
33 54 16	80 19 25	CX	6.000 kW	100 M			
Miller Communications, Inc			BPH20030331AAI				
WIXV	LIC 238C1	Savannah	GA	145.32	194.5	144.0 1.32	
32 03 29	81 20 19	CX	100.000 kW	299 M			
Cumulus Licensing Llc			BLH20030514ADV				
WQZY	LIC 240C0	Dublin	GA	166.33	244.7	163.0 3.33	
32 40 42	82 33 26	CX	100.000 kW	450 M			
State Broadcasting Corpora			BLH20040405ACI				
WQZY.C	CP 240C0	Dublin	GA	166.33	244.7	163.0 3.33	
32 40 42	82 33 26	CX	100.000 kW	450 M			
State Broadcasting Corpora			BMPH20031031ADL				
WXRC	LIC-D 239C0	Hickory	NC	236.18	357.6	226.0 10.18	
35 27 16	81 03 46	DCN	100.000 kW	450 M			
Pacific Broadcasting Group			BLH19890616KE				
WKML	LIC-D 239C0	Lumberton	NC	238.69	46.9	226.0 12.69	
34 46 50	79 02 45	DEN	100.000 kW	450 M			
Wkml License Limited Partn			BLH19971024KA				
WFMV	LIC-Z 237A	South Congaree	SC	68.30	338.5	42.0 26.30	
33 53 58	81 13 29	ZC	6.000 kW	100 M			
Glory Communications, Inc.			BLH20010725AEF				

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



BROADCAST TECHNICAL CONSULTANTS

Latitude: 33-19-38 N  
Longitude: 080-57-09 W  
ERP: 11.00 kW  
Channel: 239  
Frequency: 95.7 MHz  
AMSL Height: 192.0 m

BLH20020606AAY

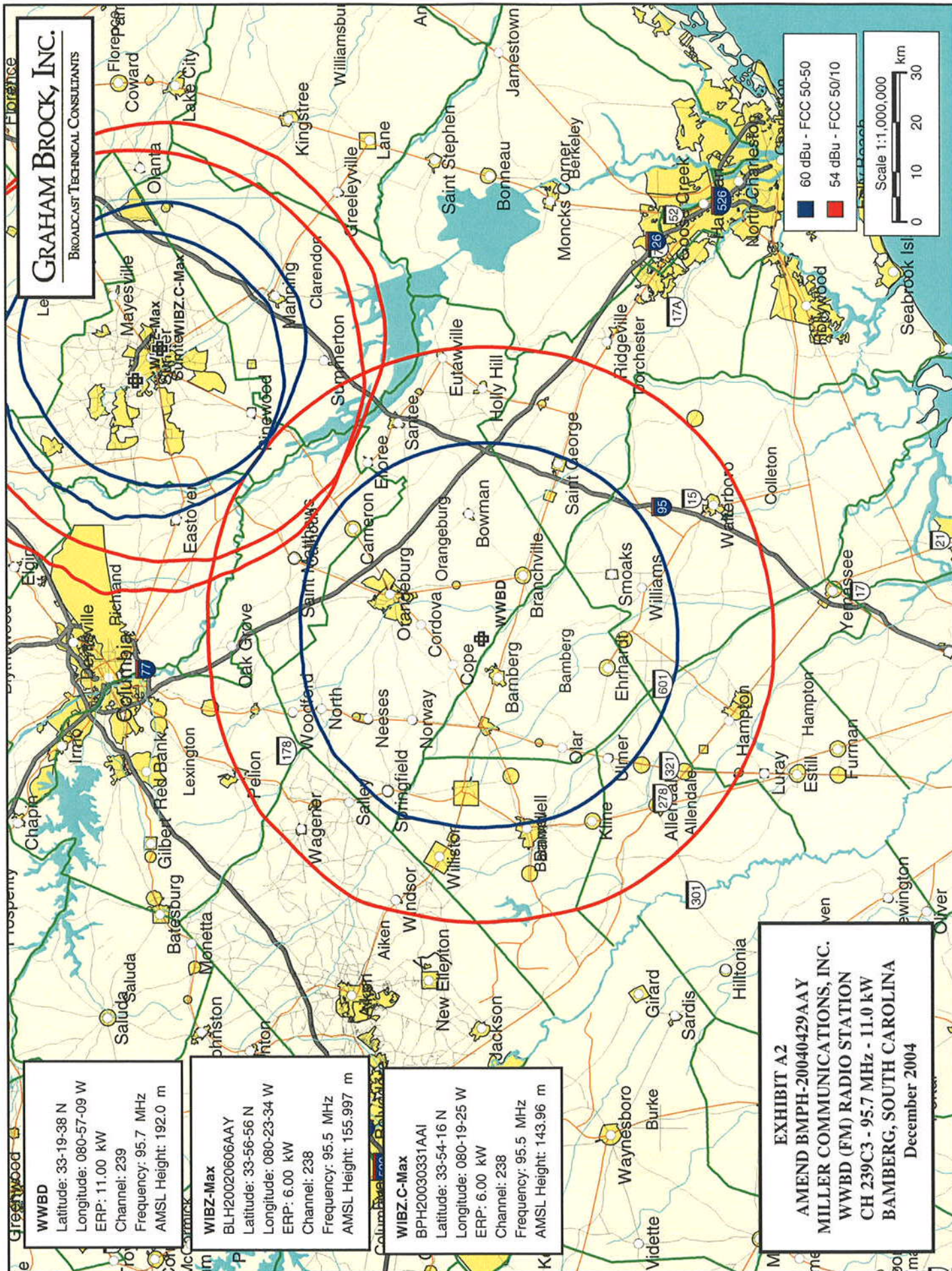
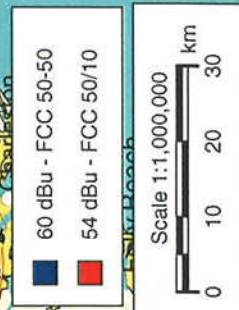
Latitude: 33-56-56 N  
Longitude: 080-23-34 W  
ERP: 6.00 kW  
Channel: 238  
Frequency: 95.5 MHz  
MSL Height: 155.997 m

3PH20030331AAI

Latitude: 33-54-16 N  
Longitude: 080-19-25 W  
Power: 6.00 kW  
Channel: 238  
Frequency: 95.5 MHz  
MSL Height: 143.96 m

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WWBD (FM) RADIO STATION  
CH 239C3 - 95.7 MHz - 11.0 kW  
BAMBERG, SOUTH CAROLINA

December 2004





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**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A3**

WWBD - Proposed  
Channel = 239C3  
Max ERP = 11 kW  
RCAMSL = 192 M  
N. Lat = 331938  
W. Lng = 805709

\* WIBZ - BLH-20020606AAY  
Channel = 238A  
Max ERP = 6 kW  
RCAMSL = 156 M  
N. Lat = 33 56 56  
W. Lng = 80 23 34

Protected  
60 dBu

Interfering  
54 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
007.0	011.0000	0129.5	036.6	235.4	006.0000	0098.0	057.5	48.6
008.0	011.0000	0130.4	036.7	235.1	006.0000	0098.0	057.0	48.8
009.0	011.0000	0131.0	036.7	234.7	006.0000	0098.0	056.5	49.0
010.0	011.0000	0131.5	036.8	234.3	006.0000	0098.6	056.0	49.2
011.0	011.0000	0131.9	036.9	233.8	006.0000	0098.6	055.5	49.4
012.0	011.0000	0132.4	036.9	233.4	006.0000	0099.2	055.0	49.6
013.0	011.0000	0132.6	036.9	232.9	006.0000	0099.2	054.6	49.8
014.0	011.0000	0132.8	037.0	232.3	006.0000	0099.8	054.2	50.0
015.0	011.0000	0133.0	037.0	231.8	006.0000	0099.8	053.8	50.2
016.0	011.0000	0133.4	037.0	231.3	006.0000	0100.4	053.3	50.4
017.0	011.0000	0134.0	037.1	230.8	006.0000	0100.4	052.9	50.5
018.0	011.0000	0134.6	037.2	230.2	006.0000	0100.9	052.5	50.7
019.0	011.0000	0135.4	037.3	229.6	006.0000	0100.9	052.1	50.9
020.0	011.0000	0136.1	037.4	229.1	006.0000	0101.4	051.7	51.1
021.0	011.0000	0136.7	037.4	228.5	006.0000	0101.9	051.3	51.2
022.0	011.0000	0137.3	037.5	227.8	006.0000	0101.9	051.0	51.4
023.0	011.0000	0138.0	037.6	227.2	006.0000	0102.4	050.6	51.5
024.0	011.0000	0138.8	037.7	226.6	006.0000	0102.4	050.2	51.7
025.0	011.0000	0139.8	037.8	225.9	006.0000	0103.1	049.9	51.9
026.0	011.0000	0140.8	037.9	225.3	006.0000	0103.9	049.6	52.1
027.0	011.0000	0141.6	038.0	224.6	006.0000	0103.9	049.3	52.2
028.0	011.0000	0142.2	038.1	223.8	006.0000	0104.5	049.0	52.3
029.0	011.0000	0142.6	038.1	223.1	006.0000	0104.8	048.8	52.4
030.0	011.0000	0143.0	038.2	222.3	006.0000	0104.9	048.6	52.5
031.0	011.0000	0143.3	038.2	221.6	006.0000	0104.9	048.4	52.6
032.0	011.0000	0143.7	038.3	220.8	006.0000	0104.9	048.2	52.6
033.0	011.0000	0144.1	038.3	220.0	006.0000	0104.9	048.1	52.7
034.0	011.0000	0144.6	038.4	219.2	006.0000	0104.7	048.0	52.7
035.0	011.0000	0144.8	038.4	218.5	006.0000	0104.6	047.9	52.7
036.0	011.0000	0145.0	038.4	217.7	006.0000	0104.6	047.8	52.8
037.0	011.0000	0145.1	038.4	216.8	006.0000	0104.6	047.8	52.8
038.0	011.0000	0145.3	038.5	216.0	006.0000	0104.8	047.8	52.8
039.0	011.0000	0145.5	038.5	215.2	006.0000	0105.0	047.8	52.8
040.0	011.0000	0145.7	038.5	214.4	006.0000	0105.2	047.9	52.8
041.0	011.0000	0145.9	038.5	213.6	006.0000	0105.2	047.9	52.8
042.0	011.0000	0146.2	038.6	212.8	006.0000	0105.5	048.0	52.8
043.0	011.0000	0146.6	038.6	212.0	006.0000	0105.8	048.0	52.8
044.0	011.0000	0147.1	038.7	211.2	006.0000	0106.0	048.1	52.8

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**December 2004**

**EXHIBIT A3 (continued)**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
045.0	011.0000	0147.6	038.7	210.4	006.0000	0106.1	048.2	52.7
046.0	011.0000	0147.9	038.8	209.6	006.0000	0106.1	048.4	52.7
047.0	011.0000	0148.0	038.8	208.9	006.0000	0106.1	048.6	52.6
048.0	011.0000	0147.9	038.8	208.1	006.0000	0105.9	048.8	52.5
049.0	011.0000	0147.8	038.8	207.4	006.0000	0105.7	049.0	52.4
050.0	011.0000	0147.8	038.8	206.7	006.0000	0105.7	049.3	52.3
051.0	011.0000	0147.9	038.8	206.0	006.0000	0105.4	049.6	52.2
052.0	011.0000	0148.0	038.8	205.2	006.0000	0105.0	049.8	52.0
053.0	011.0000	0148.1	038.8	204.6	006.0000	0105.0	050.1	51.9
054.0	011.0000	0148.2	038.8	203.9	006.0000	0104.6	050.5	51.8
055.0	011.0000	0148.3	038.8	203.2	006.0000	0104.4	050.8	51.6
056.0	011.0000	0148.4	038.8	202.6	006.0000	0104.4	051.2	51.5
057.0	011.0000	0148.7	038.9	201.9	006.0000	0104.2	051.5	51.3
058.0	011.0000	0149.0	038.9	201.3	006.0000	0104.2	051.9	51.2
059.0	011.0000	0149.2	038.9	200.7	006.0000	0104.2	052.3	51.0
060.0	011.0000	0149.2	038.9	200.1	006.0000	0104.2	052.7	50.9
061.0	011.0000	0149.1	038.9	199.6	006.0000	0104.2	053.2	50.7
062.0	011.0000	0149.1	038.9	199.0	006.0000	0104.2	053.6	50.5
063.0	011.0000	0149.1	038.9	198.5	006.0000	0104.2	054.1	50.3
064.0	011.0000	0149.2	038.9	198.0	006.0000	0104.3	054.6	50.2
065.0	011.0000	0149.3	038.9	197.5	006.0000	0104.3	055.0	50.0
066.0	011.0000	0149.4	039.0	197.0	006.0000	0104.5	055.5	49.8
067.0	011.0000	0149.5	039.0	196.6	006.0000	0104.5	056.1	49.6

\* The WIBZ Licensed Facility is adjusted for a maximum Class A operation - 6.0 kW at 100 meters HAAT.



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**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A4**

\* WIBZ - BLH-20020606AAY  
Channel = 238A  
Max ERP = 6 kW  
RCAMSL = 156 M  
N. Lat = 33 56 56  
W. Lng = 80 23 34

WWBD - Proposed  
Channel = 239C3  
Max ERP = 11 kW  
RCAMSL = 192 M  
N. Lat = 331938  
W. Lng = 805709

Protected  
60 dBu

Interfering  
54 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
187.0	006.0000	0108.8	029.4	050.3	011.0000	0147.8	062.6	52.3
188.0	006.0000	0108.2	029.3	050.0	011.0000	0147.8	062.3	52.4
189.0	006.0000	0107.7	029.3	049.6	011.0000	0147.8	062.1	52.5
190.0	006.0000	0107.3	029.2	049.2	011.0000	0147.8	061.8	52.6
191.0	006.0000	0107.0	029.2	048.8	011.0000	0147.8	061.5	52.7
192.0	006.0000	0106.6	029.2	048.4	011.0000	0147.9	061.2	52.8
193.0	006.0000	0106.1	029.1	048.0	011.0000	0147.9	061.0	52.9
194.0	006.0000	0105.6	029.0	047.5	011.0000	0147.9	060.7	53.0
195.0	006.0000	0105.1	029.0	047.1	011.0000	0148.0	060.5	53.1
196.0	006.0000	0104.8	028.9	046.7	011.0000	0148.0	060.3	53.1
197.0	006.0000	0104.5	028.9	046.2	011.0000	0147.9	060.0	53.2
198.0	006.0000	0104.3	028.9	045.8	011.0000	0147.9	059.8	53.3
199.0	006.0000	0104.2	028.8	045.4	011.0000	0147.6	059.6	53.4
200.0	006.0000	0104.2	028.8	044.9	011.0000	0147.6	059.4	53.4
201.0	006.0000	0104.2	028.8	044.5	011.0000	0147.1	059.2	53.5
202.0	006.0000	0104.2	028.9	044.1	011.0000	0147.1	059.0	53.6
203.0	006.0000	0104.4	028.9	043.6	011.0000	0147.1	058.8	53.6
204.0	006.0000	0104.6	028.9	043.2	011.0000	0146.6	058.6	53.7
205.0	006.0000	0105.0	029.0	042.7	011.0000	0146.6	058.4	53.8
206.0	006.0000	0105.4	029.0	042.2	011.0000	0146.2	058.2	53.8
207.0	006.0000	0105.7	029.0	041.8	011.0000	0146.2	058.0	53.9
208.0	006.0000	0105.9	029.1	041.3	011.0000	0145.9	057.8	53.9
209.0	006.0000	0106.1	029.1	040.8	011.0000	0145.9	057.7	54.0
210.0	006.0000	0106.1	029.1	040.3	011.0000	0145.7	057.6	54.0
211.0	006.0000	0106.0	029.1	039.8	011.0000	0145.7	057.5	54.0
212.0	006.0000	0105.8	029.0	039.3	011.0000	0145.5	057.5	54.0
213.0	006.0000	0105.5	029.0	038.8	011.0000	0145.5	057.5	54.0
214.0	006.0000	0105.2	029.0	038.3	011.0000	0145.3	057.4	54.0
215.0	006.0000	0105.0	028.9	037.8	011.0000	0145.3	057.4	54.0
216.0	006.0000	0104.8	028.9	037.3	011.0000	0145.1	057.4	54.0
217.0	006.0000	0104.6	028.9	036.8	011.0000	0145.1	057.5	54.0
218.0	006.0000	0104.6	028.9	036.3	011.0000	0145.0	057.5	54.0
219.0	006.0000	0104.7	028.9	035.8	011.0000	0145.0	057.5	54.0
220.0	006.0000	0104.9	028.9	035.3	011.0000	0144.8	057.5	54.0
221.0	006.0000	0104.9	028.9	034.8	011.0000	0144.8	057.5	54.0
222.0	006.0000	0104.9	028.9	034.3	011.0000	0144.6	057.6	53.9

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**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A4 (continued)**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
223.0	006.0000	0104.8	028.9	033.8	011.0000	0144.6	057.7	53.9
224.0	006.0000	0104.5	028.9	033.3	011.0000	0144.1	057.8	53.8
225.0	006.0000	0103.9	028.8	032.8	011.0000	0144.1	058.0	53.8
226.0	006.0000	0103.1	028.7	032.4	011.0000	0143.7	058.2	53.7
227.0	006.0000	0102.4	028.6	031.9	011.0000	0143.7	058.4	53.6
228.0	006.0000	0101.9	028.5	031.5	011.0000	0143.3	058.6	53.5
229.0	006.0000	0101.4	028.5	031.0	011.0000	0143.3	058.8	53.4
230.0	006.0000	0100.9	028.4	030.6	011.0000	0143.3	059.0	53.3
231.0	006.0000	0100.4	028.3	030.2	011.0000	0143.0	059.2	53.2
232.0	006.0000	0099.8	028.3	029.7	011.0000	0143.0	059.5	53.2
233.0	006.0000	0099.2	028.2	029.3	011.0000	0142.6	059.8	53.0
234.0	006.0000	0098.6	028.1	028.9	011.0000	0142.6	060.0	52.9
235.0	006.0000	0098.0	028.0	028.6	011.0000	0142.6	060.3	52.8
236.0	006.0000	0097.4	027.9	028.2	011.0000	0142.2	060.6	52.7
237.0	006.0000	0096.8	027.9	027.8	011.0000	0142.2	060.9	52.6
238.0	006.0000	0096.3	027.8	027.4	011.0000	0141.6	061.2	52.5
239.0	006.0000	0095.9	027.7	027.1	011.0000	0141.6	061.5	52.4
240.0	006.0000	0095.8	027.7	026.7	011.0000	0141.6	061.8	52.3
241.0	006.0000	0095.9	027.7	026.3	011.0000	0140.8	062.0	52.1
242.0	006.0000	0096.0	027.8	026.0	011.0000	0140.8	062.3	52.0
243.0	006.0000	0095.7	027.7	025.6	011.0000	0140.8	062.6	51.9
244.0	006.0000	0095.1	027.6	025.3	011.0000	0139.8	063.0	51.8
245.0	006.0000	0094.3	027.5	025.1	011.0000	0139.8	063.4	51.6
246.0	006.0000	0093.7	027.4	024.8	011.0000	0139.8	063.7	51.5
247.0	006.0000	0093.5	027.4	024.5	011.0000	0138.8	064.1	51.3

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**December 2004**

**EXHIBIT A5**

WWBD - Proposed  
Channel = 239C3  
Max ERP = 11 kW  
RCAMSL = 192 M  
N. Lat = 331938  
W. Lng = 805709

\* WIBZ.C - BPH-20030331AAI  
Channel = 238A  
Max ERP = 6 kW  
RCAMSL = 144.1 M  
N. Lat = 33 54 16  
W. Lng = 80 19 25

Protected  
60 dBu

Interfering  
54 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
012.0	011.0000	0132.4	036.9	241.1	006.0000	0097.5	057.8	48.5
013.0	011.0000	0132.6	036.9	240.7	006.0000	0097.5	057.3	48.7
014.0	011.0000	0132.8	037.0	240.3	006.0000	0097.6	056.8	48.9
015.0	011.0000	0133.0	037.0	239.9	006.0000	0097.6	056.3	49.0
016.0	011.0000	0133.4	037.0	239.4	006.0000	0097.7	055.8	49.2
017.0	011.0000	0134.0	037.1	239.0	006.0000	0097.7	055.3	49.4
018.0	011.0000	0134.6	037.2	238.5	006.0000	0097.7	054.9	49.6
019.0	011.0000	0135.4	037.3	238.0	006.0000	0097.8	054.4	49.8
020.0	011.0000	0136.1	037.4	237.6	006.0000	0097.8	053.9	50.0
021.0	011.0000	0136.7	037.4	237.0	006.0000	0097.9	053.4	50.1
022.0	011.0000	0137.3	037.5	236.5	006.0000	0097.9	053.0	50.3
023.0	011.0000	0138.0	037.6	236.0	006.0000	0097.8	052.6	50.5
024.0	011.0000	0138.8	037.7	235.4	006.0000	0097.7	052.1	50.6
025.0	011.0000	0139.8	037.8	234.9	006.0000	0097.7	051.7	50.8
026.0	011.0000	0140.8	037.9	234.3	006.0000	0097.5	051.3	50.9
027.0	011.0000	0141.6	038.0	233.7	006.0000	0097.5	050.9	51.1
028.0	011.0000	0142.2	038.1	233.0	006.0000	0097.5	050.5	51.2
029.0	011.0000	0142.6	038.1	232.4	006.0000	0097.4	050.2	51.3
030.0	011.0000	0143.0	038.2	231.7	006.0000	0097.4	049.9	51.4
031.0	011.0000	0143.3	038.2	231.0	006.0000	0097.4	049.6	51.5
032.0	011.0000	0143.7	038.3	230.3	006.0000	0097.2	049.4	51.6
033.0	011.0000	0144.1	038.3	229.5	006.0000	0097.2	049.1	51.7
034.0	011.0000	0144.6	038.4	228.8	006.0000	0097.1	048.9	51.8
035.0	011.0000	0144.8	038.4	228.0	006.0000	0096.9	048.7	51.8
036.0	011.0000	0145.0	038.4	227.3	006.0000	0096.8	048.6	51.9
037.0	011.0000	0145.1	038.4	226.5	006.0000	0096.9	048.4	52.0
038.0	011.0000	0145.3	038.5	225.7	006.0000	0096.9	048.3	52.0
039.0	011.0000	0145.5	038.5	224.9	006.0000	0096.9	048.2	52.0
040.0	011.0000	0145.7	038.5	224.1	006.0000	0097.0	048.1	52.1
041.0	011.0000	0145.9	038.5	223.3	006.0000	0097.2	048.0	52.1
042.0	011.0000	0146.2	038.6	222.5	006.0000	0097.2	048.0	52.1
043.0	011.0000	0146.6	038.6	221.7	006.0000	0097.5	047.9	52.2
044.0	011.0000	0147.1	038.7	220.9	006.0000	0097.9	047.9	52.2
045.0	011.0000	0147.6	038.7	220.1	006.0000	0098.5	047.9	52.3



**AMEND BMPH-20040429AAY**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A5 (continued)**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
046.0	011.0000	0147.9	038.8	219.3	006.0000	0099.1	047.9	52.3
047.0	011.0000	0148.0	038.8	218.5	006.0000	0099.4	048.0	52.3
048.0	011.0000	0147.9	038.8	217.7	006.0000	0099.4	048.1	52.3
049.0	011.0000	0147.8	038.8	216.9	006.0000	0099.5	048.3	52.2
050.0	011.0000	0147.8	038.8	216.1	006.0000	0099.2	048.4	52.1
051.0	011.0000	0147.9	038.8	215.4	006.0000	0098.6	048.6	52.0
052.0	011.0000	0148.0	038.8	214.6	006.0000	0098.6	048.8	52.0
053.0	011.0000	0148.1	038.8	213.8	006.0000	0098.0	049.0	51.8
054.0	011.0000	0148.2	038.8	213.1	006.0000	0097.6	049.2	51.7
055.0	011.0000	0148.3	038.8	212.3	006.0000	0097.4	049.4	51.6
056.0	011.0000	0148.4	038.8	211.6	006.0000	0097.4	049.7	51.5
057.0	011.0000	0148.7	038.9	210.9	006.0000	0097.3	050.0	51.4
058.0	011.0000	0149.0	038.9	210.2	006.0000	0097.2	050.2	51.3
059.0	011.0000	0149.2	038.9	209.5	006.0000	0097.2	050.5	51.2
060.0	011.0000	0149.2	038.9	208.8	006.0000	0097.2	050.9	51.1
061.0	011.0000	0149.1	038.9	208.2	006.0000	0097.1	051.3	50.9
062.0	011.0000	0149.1	038.9	207.6	006.0000	0097.1	051.6	50.8
063.0	011.0000	0149.1	038.9	207.0	006.0000	0097.0	052.0	50.6
064.0	011.0000	0149.2	038.9	206.4	006.0000	0096.9	052.4	50.4
065.0	011.0000	0149.3	038.9	205.8	006.0000	0096.9	052.8	50.3
066.0	011.0000	0149.4	039.0	205.2	006.0000	0096.9	053.3	50.1
067.0	011.0000	0149.5	039.0	204.7	006.0000	0096.9	053.7	50.0
068.0	011.0000	0149.5	039.0	204.1	006.0000	0096.9	054.2	49.8
069.0	011.0000	0149.5	039.0	203.6	006.0000	0096.9	054.6	49.6
070.0	011.0000	0149.6	039.0	203.1	006.0000	0096.8	055.1	49.4
071.0	011.0000	0149.6	039.0	202.7	006.0000	0096.8	055.6	49.2
072.0	011.0000	0149.7	039.0	202.2	006.0000	0096.7	056.1	49.0

\* The WIBZ Construction Permit Facility is adjusted for a maximum Class A operation - 6.0 kW at 100 meters HAAT.

**AMEND BMPH-20040429AAY**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A6**

\* WIBZ.C - BPH-20030331AAI  
Channel = 238A  
Max ERP = 6 kW  
RCAMSL = 144.1 M  
N. Lat = 33 54 16  
W. Lng = 80 19 25

WWBD - Proposed  
Channel = 239C3  
Max ERP = 11 kW  
RCAMSL = 192 M  
N. Lat = 331938  
W. Lng = 805709

Protected  
60 dBu

Interfering  
54 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
192.0	006.0000	0099.4	028.2	055.0	011.0000	0148.3	064.0	51.9
193.0	006.0000	0098.8	028.1	054.6	011.0000	0148.3	063.7	52.0
194.0	006.0000	0098.2	028.1	054.3	011.0000	0148.2	063.4	52.0
195.0	006.0000	0097.8	028.0	053.9	011.0000	0148.2	063.2	52.1
196.0	006.0000	0097.5	028.0	053.5	011.0000	0148.2	062.9	52.2
197.0	006.0000	0097.4	027.9	053.2	011.0000	0148.1	062.6	52.3
198.0	006.0000	0097.4	027.9	052.8	011.0000	0148.1	062.3	52.4
199.0	006.0000	0097.2	027.9	052.4	011.0000	0148.0	062.1	52.5
200.0	006.0000	0097.0	027.9	052.0	011.0000	0148.0	061.8	52.6
201.0	006.0000	0096.8	027.9	051.6	011.0000	0148.0	061.6	52.7
202.0	006.0000	0096.7	027.9	051.2	011.0000	0147.9	061.3	52.8
203.0	006.0000	0096.8	027.9	050.8	011.0000	0147.9	061.1	52.8
204.0	006.0000	0096.9	027.9	050.4	011.0000	0147.8	060.9	52.9
205.0	006.0000	0096.9	027.9	050.0	011.0000	0147.8	060.7	53.0
206.0	006.0000	0096.9	027.9	049.6	011.0000	0147.8	060.5	53.1
207.0	006.0000	0097.0	027.9	049.2	011.0000	0147.8	060.3	53.1
208.0	006.0000	0097.1	027.9	048.8	011.0000	0147.8	060.1	53.2
209.0	006.0000	0097.2	027.9	048.3	011.0000	0147.9	059.9	53.3
210.0	006.0000	0097.2	027.9	047.9	011.0000	0147.9	059.7	53.3
211.0	006.0000	0097.3	027.9	047.4	011.0000	0148.0	059.6	53.4
212.0	006.0000	0097.4	027.9	047.0	011.0000	0148.0	059.4	53.5
213.0	006.0000	0097.6	028.0	046.5	011.0000	0148.0	059.3	53.5
214.0	006.0000	0098.0	028.0	046.1	011.0000	0147.9	059.1	53.6
215.0	006.0000	0098.6	028.1	045.6	011.0000	0147.9	058.9	53.6
216.0	006.0000	0099.2	028.2	045.2	011.0000	0147.6	058.7	53.7
217.0	006.0000	0099.5	028.2	044.7	011.0000	0147.6	058.6	53.7
218.0	006.0000	0099.4	028.2	044.2	011.0000	0147.1	058.6	53.7
219.0	006.0000	0099.1	028.2	043.8	011.0000	0147.1	058.6	53.7
220.0	006.0000	0098.5	028.1	043.3	011.0000	0146.6	058.6	53.7
221.0	006.0000	0097.9	028.0	042.8	011.0000	0146.6	058.7	53.7
222.0	006.0000	0097.5	028.0	042.3	011.0000	0146.2	058.7	53.6
223.0	006.0000	0097.2	027.9	041.8	011.0000	0146.2	058.8	53.6
224.0	006.0000	0097.0	027.9	041.4	011.0000	0145.9	058.8	53.6
225.0	006.0000	0096.9	027.9	040.9	011.0000	0145.9	058.8	53.6
226.0	006.0000	0096.9	027.9	040.4	011.0000	0145.7	058.9	53.5
227.0	006.0000	0096.8	027.9	040.0	011.0000	0145.7	058.9	53.5



**AMEND BMPH-20040429AAY**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A6 (continued)**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
228.0	006.0000	0096.9	027.9	039.5	011.0000	0145.5	059.0	53.5
229.0	006.0000	0097.1	027.9	039.0	011.0000	0145.5	059.0	53.5
230.0	006.0000	0097.2	027.9	038.5	011.0000	0145.5	059.1	53.4
231.0	006.0000	0097.4	027.9	038.1	011.0000	0145.3	059.2	53.4
232.0	006.0000	0097.4	027.9	037.6	011.0000	0145.3	059.3	53.3
233.0	006.0000	0097.5	028.0	037.2	011.0000	0145.1	059.4	53.3
234.0	006.0000	0097.5	028.0	036.7	011.0000	0145.1	059.5	53.3
235.0	006.0000	0097.7	028.0	036.3	011.0000	0145.0	059.7	53.2
236.0	006.0000	0097.8	028.0	035.8	011.0000	0145.0	059.8	53.1
237.0	006.0000	0097.9	028.0	035.4	011.0000	0144.8	060.0	53.1
238.0	006.0000	0097.8	028.0	034.9	011.0000	0144.8	060.2	53.0
239.0	006.0000	0097.7	028.0	034.5	011.0000	0144.8	060.4	52.9
240.0	006.0000	0097.6	028.0	034.1	011.0000	0144.6	060.6	52.8
241.0	006.0000	0097.5	028.0	033.7	011.0000	0144.6	060.8	52.8
242.0	006.0000	0097.4	027.9	033.3	011.0000	0144.1	061.1	52.7
243.0	006.0000	0097.3	027.9	032.9	011.0000	0144.1	061.3	52.6
244.0	006.0000	0097.3	027.9	032.5	011.0000	0144.1	061.6	52.5
245.0	006.0000	0097.2	027.9	032.1	011.0000	0143.7	061.8	52.4
246.0	006.0000	0097.2	027.9	031.8	011.0000	0143.7	062.1	52.3
247.0	006.0000	0097.1	027.9	031.4	011.0000	0143.3	062.4	52.1
248.0	006.0000	0097.1	027.9	031.0	011.0000	0143.3	062.7	52.0
249.0	006.0000	0097.1	027.9	030.7	011.0000	0143.3	063.0	51.9
250.0	006.0000	0097.2	027.9	030.3	011.0000	0143.0	063.3	51.8
251.0	006.0000	0097.3	027.9	030.0	011.0000	0143.0	063.6	51.7
252.0	006.0000	0097.6	028.0	029.6	011.0000	0143.0	063.9	51.6

\* The WIBZ Construction Permit Facility is adjusted for a maximum Class A operation - 6.0 kW at 100 meters HAAT.

**AMEND BMPH-20040429AAY**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 11.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**December 2004**

**EXHIBIT A7**

Predicted contours:

N. Lat. = 33 19 38 - Tabulated Protected and Interfering Contour Data  
W. Lng. = 80 57 09 - WWBD Radio Station - Bamberg, South Carolina

Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	70-F5	60-F5	54-F1	40-F1
000	66.0	126.0	11.0000	10.41	1.000	3.59	21.34	36.15	54.78	100.83
010	60.5	131.5	11.0000	10.41	1.000	3.66	21.75	36.81	55.56	101.68
020	55.9	136.1	11.0000	10.41	1.000	3.72	22.09	37.35	56.21	102.36
030	49.0	143.0	11.0000	10.41	1.000	3.81	22.59	38.19	57.20	103.39
040	46.3	145.7	11.0000	10.41	1.000	3.84	22.78	38.52	57.59	103.80
050	44.2	147.8	11.0000	10.41	1.000	3.87	22.94	38.78	57.90	104.12
060	42.8	149.2	11.0000	10.41	1.000	3.88	23.03	38.94	58.09	104.31
070	42.4	149.6	11.0000	10.41	1.000	3.89	23.06	38.99	58.15	104.37
080	41.2	150.8	11.0000	10.41	1.000	3.90	23.15	39.13	58.32	104.56
090	40.3	151.7	11.0000	10.41	1.000	3.91	23.21	39.24	58.45	104.69
100	39.3	152.7	11.0000	10.41	1.000	3.93	23.28	39.36	58.60	104.84
110	35.9	156.1	11.0000	10.41	1.000	3.97	23.51	39.76	59.08	105.33
120	33.8	158.2	11.0000	10.41	1.000	3.99	23.65	40.00	59.37	105.63
130	31.3	160.7	11.0000	10.41	1.000	4.03	23.82	40.29	59.73	106.00
140	30.7	161.3	11.0000	10.41	1.000	4.03	23.86	40.36	59.81	106.08
150	32.9	159.1	11.0000	10.41	1.000	4.01	23.72	40.12	59.51	105.78
160	36.2	155.8	11.0000	10.41	1.000	3.97	23.49	39.73	59.04	105.29
170	37.8	154.2	11.0000	10.41	1.000	3.95	23.38	39.54	58.81	105.06
180	38.3	153.7	11.0000	10.41	1.000	3.94	23.35	39.48	58.74	104.98
190	37.0	155.0	11.0000	10.41	1.000	3.95	23.43	39.63	58.91	105.16
200	39.6	152.4	11.0000	10.41	1.000	3.92	23.26	39.32	58.55	104.79
210	41.2	150.8	11.0000	10.41	1.000	3.90	23.15	39.13	58.32	104.56
220	42.5	149.5	11.0000	10.41	1.000	3.89	23.05	38.97	58.13	104.36
230	43.6	148.4	11.0000	10.41	1.000	3.87	22.98	38.84	57.98	104.20
240	44.1	147.9	11.0000	10.41	1.000	3.87	22.94	38.78	57.90	104.12
250	47.6	144.4	11.0000	10.41	1.000	3.82	22.69	38.36	57.40	103.60
260	52.4	139.6	11.0000	10.41	1.000	3.76	22.34	37.77	56.71	102.88
270	52.9	139.1	11.0000	10.41	1.000	3.76	22.31	37.72	56.64	102.81
280	52.4	139.6	11.0000	10.41	1.000	3.76	22.34	37.78	56.72	102.89
290	48.5	143.5	11.0000	10.41	1.000	3.81	22.63	38.26	57.28	103.48
300	47.5	144.5	11.0000	10.41	1.000	3.82	22.70	38.37	57.41	103.61
310	54.9	137.1	11.0000	10.41	1.000	3.73	22.16	37.47	56.35	102.51
320	55.6	136.4	11.0000	10.41	1.000	3.72	22.11	37.39	56.25	102.41
330	60.2	131.8	11.0000	10.41	1.000	3.66	21.77	36.84	55.60	101.71
340	62.5	129.5	11.0000	10.41	1.000	3.64	21.60	36.56	55.27	101.36
350	65.2	126.8	11.0000	10.41	1.000	3.60	21.40	36.25	54.90	100.96

AMSL= 192 M