

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The WWBD proposed antenna location will be shortspaced to two other FM broadcast facilities and two proposed allocation sites: WIXV, Channel 238C1, Savannah, Georgia; WQZY, Channel 240C0, Dublin, Georgia; the proposed specified coordinates for Channel 240C0 in Dublin, Georgia²; and the proposed allocation of Channel 238C1 at Savannah, Georgia . The detailed spacing information with regard to these facilities is shown on Exhibit A1. Miller Communications, Inc., proposes to use the provisions of §73.215 of the Commission's rules to address these shortspaced situations. The shortages to these facilities comply with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class C3 height and the use of a directional FM antenna system.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WWBD C3 facility and either the licensed or construction permitted WIXV facilities, WQZY as a full Class C0 facility, the Dublin allocation site or the proposed allocation at Savannah. The contours of all WIXV facilities are based on a maximum effective radiated power of 100.0 kilowatts at 299 meters height above average terrain; the contours of WQZY are based on a maximum effective

2) WQZY is filing a concurrent and conditional application to specify reference coordinates for Channel 240C0 in Dublin.

radiated power of 100.0 kilowatts at 450 meters height above average terrain; the contours of the proposed allocation coordinates at Dublin are based on maximum Class C0 facilities; and the contours of the proposed allocation at Savannah are based on maximum Class C1 facilities. Attached as Exhibits A3 through A12 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WWBD C3 facility and both the licensed and construction permitted WIXV, the proposed operation of WQZY, the proposed allocation at Dublin and the proposed allocation at Savannah. Further, attached as Exhibit A13 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited contour overlap between the facilities.

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October 2003

EXHIBIT A1

Site Spacing Study for Channel 239C3 Bamberg, South Carolina
Using Proposed Site As Reference

REFERENCE							
33 18 39 N	CLASS = C3						
81 04 56 W	Current Spacings						
----- Channel 239 - 95.7 MHz -----							
Call	Channel	Location		Dist	Azi	FCC	Margin
N. Lat.	W. Lng.	Ant	Power		HAAT		

WWBD.A	APP-Z 239C3	Bamberg		SC	0.00	0.0	153.0 -153.00
33 18 39	81 04 56	ZCX	25.000 kW		97 M		
	Miller Communications, Inc		BPH-20030402AEB				
WWBD	LIC 239A	Bamberg		SC	0.48	44.6	142.0 -141.52
33 18 50	81 04 43	C	6.000 kW		94 M		
	Miller Communications, Inc.		BLH-19970811KC				
ALLO	RSV 239C3	Bamberg		SC	11.94	347.9	153.0 -141.06
33 24 58	81 06 33		25.000 kW		100 M		
* <i>WQZY.A</i>	<i>APP 240C0</i>	<i>Dublin</i>		<i>GA</i>	<i>154.67</i>	<i>243.3</i>	<i>163.0 -8.33</i>
<i>32 40 42</i>	<i>82 33 26</i>	<i>CX</i>	<i>100.000 kW</i>		<i>312 M</i>		
	<i>State Broadcasting, Inc.</i>		<i>BPH-20030401BZD</i>				
* <i>RADD</i>	<i>ADD 238C1</i>	<i>Savannah</i>		<i>GA</i>	<i>139.03</i>	<i>195.9</i>	<i>144.0 -4.97</i>
<i>32 06 18</i>	<i>81 29 17</i>		<i>100.000 kW</i>		<i>299 M</i>		
* <i>WIXV</i>	<i>LIC 238C1</i>	<i>Savannah</i>		<i>GA</i>	<i>140.97</i>	<i>189.9</i>	<i>144.0 -3.03</i>
<i>32 03 30</i>	<i>81 20 20</i>	<i>CN</i>	<i>100.000 kW</i>		<i>261 M</i>		
	<i>Cumulus Licensing Corp.</i>		<i>BLH-19870414KO</i>				
* <i>WIXV.C</i>	<i>CP 238C1</i>	<i>Savannah</i>		<i>GA</i>	<i>140.99</i>	<i>189.8</i>	<i>144.0 -3.01</i>
<i>32 03 29</i>	<i>81 20 19</i>	<i>CX</i>	<i>98.000 kW</i>		<i>301 M</i>		
	<i>Cumulus Licensing Corp.</i>		<i>BPH-20020930ABB</i>				
# <i>ALLO</i>	<i>PRM 240C0</i>	<i>Dublin</i>		<i>GA</i>	<i>161.07</i>	<i>242.7</i>	<i>163.0 -1.93</i>
<i>32 38 15</i>	<i>82 36 32</i>		<i>100.000 kW</i>		<i>299 M</i>		
			<i>RM</i>				
<i>WXRC</i>	<i>LIC-D 239C</i>	<i>Hickory</i>		<i>NC</i>	<i>237.79</i>	<i>0.4</i>	<i>237.0 0.79</i>
<i>35 27 16</i>	<i>81 03 46</i>	<i>DCN</i>	<i>100.000 kW</i>		<i>311 M</i>		
	<i>Pacific Broadcasting Group</i>		<i>BLH-19890616KE</i>				

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MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A1 (continued)

Site Spacing Study for Channel 239C3 Bamberg, South Carolina
Using Proposed Site As Reference

REFERENCE

33 18 39 N

CLASS = C3

81 04 56 W

Current Spacings

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----- Channel 239 - 95.7 MHz -----
Call      Channel      Location      Dist      Azi      FCC      Margin
N. Lat.    W. Lng.    Ant      Power      HAAT
-----
RADD      ADD      238C3      Greeleyville      SC      101.29      73.6      99.0      2.29
33 33 46    80 02 07      25.000 kW      100 M

RADD      ADD      240A      Wedgefield      SC      95.40      41.8      89.0      6.40
33 56 56    80 23 34      6.000 kW      100 M

WIBZ      LIC      238A      Wedgefield      SC      95.40      41.8      89.0      6.40
33 56 56    80 23 34      CX      4.400 kW      118 M
Miller Communications, Inc      BLH-20020606AAY
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* Note: This shortage is addressed under §73.215 of the rules.

Note: This application is filed concurrent with the application by WQZY specifying relocated reference coordinates for Channel 240C0 in Dublin.

GRAHAM BROCK, INC.
BROADCAST TECHNICAL CONSULTANTS

WWBD - Proposed

Latitude: 33-18-39 N
Longitude: 081-04-56 W
ERP: 25.00 kW
Channel: 239
Frequency: 95.7 MHz
AMSL Height: 151.0 m
Horiz. Pattern: Directional
60 dBu - 50/50
54 dBu - 50/10

WIXV.C

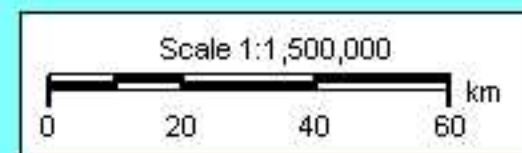
BPH20020930ABB
Latitude: 32-03-29 N
Longitude: 081-20-19 W
ERP: 100.00 kW
Channel: 238
Frequency: 95.5 MHz
AMSL Height: 305.8 m
60 dBu - 50/50
54 dBu - 50/10

WIXV

BLH19870414KO
Latitude: 32-03-30 N
Longitude: 081-20-20 W
ERP: 100.00 kW
Channel: 238
Frequency: 95.5 MHz
AMSL Height: 306 m
60 dBu - 50/50
54 dBu - 50/10

§73.215 ANALYSIS

EXHIBIT A2(a)
MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239 C3 - 95.7 MHz - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003



GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

RADD - Dublin, GA

Latitude: 32-38-15 N
Longitude: 082-36-32 W
ERP: 100.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 543.72 m
HAAT: 450.0 m
Horiz. Pattern: Omni

60 dBu - 50/50

54 dBu - 50/10

WWBD - Proposed

Latitude: 33-18-39 N
Longitude: 081-04-56 W
ERP: 25.00 kW
Channel: 239
Frequency: 95.7 MHz
AMSL Height: 151.0 m
Horiz. Pattern: Directional

60 dBu - 50/50

54 dBu - 50/10

WQZY CP

BPH20030401BZD
Latitude: 32-40-42 N
Longitude: 082-33-26 W
ERP: 100.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 542.216 m
Maximum Class C0

60 dBu - 50/50

54 dBu - 50/10

§73.215 ANALYSIS

EXHIBIT A2(b)
MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
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BAMBERG, SOUTH CAROLINA
October 2003

Scale 1:1,500,000

0 20 40 60 km

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

WWBD - Proposed

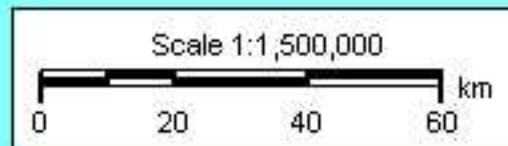
Latitude: 33-18-39 N
Longitude: 081-04-56 W
ERP: 25.00 kW
Channel: 239
Frequency: 95.7 MHz
AMSL Height: 151.0 m
Horiz. Pattern: Directional
60 dBu - 50/50
54 dBu - 50/10

RADD - Savannah, GA

Latitude: 32-06-18 N
Longitude: 081-29-17 W
ERP: 100.00 kW
Channel: 238
Frequency: 95.5 MHz
AMSL Height: 311.708 m
HAAT: 299.0 m
Horiz. Pattern: Omni
Maximum Class C1
60 dBu - 50/50
54 dBu - 50/10

§73.215 ANALYSIS

EXHIBIT A2(c)
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CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A3

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* WIXV - BLH-19870414KO
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 306 M
N. Lat = 32 03 30
W. Lng = 81 20 20

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				Actual (dBu)
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	
160.0	020.2500	0106.2	038.4	019.7	100.0000	0300.0	109.4	52.7
161.0	019.8025	0106.0	038.2	019.4	100.0000	0300.0	109.1	52.8
162.0	019.3600	0105.9	038.0	019.0	100.0000	0300.0	108.8	52.9
163.0	018.9225	0106.0	037.8	018.7	100.0000	0300.0	108.6	53.0
164.0	018.4900	0106.2	037.7	018.4	100.0000	0300.0	108.3	53.0
165.0	018.0625	0106.6	037.5	018.1	100.0000	0300.0	108.1	53.1
166.0	017.6400	0107.1	037.4	017.7	100.0000	0300.0	107.8	53.2
167.0	017.2225	0107.1	037.2	017.4	100.0000	0299.9	107.6	53.2
168.0	016.8100	0107.1	037.0	017.1	100.0000	0299.9	107.5	53.3
169.0	016.4025	0106.8	036.8	016.7	100.0000	0299.9	107.4	53.3
170.0	016.0000	0106.7	036.6	016.3	100.0000	0299.8	107.3	53.3
171.0	015.6025	0106.7	036.4	016.0	100.0000	0299.8	107.2	53.4
172.0	015.2100	0106.7	036.2	015.6	100.0000	0299.8	107.1	53.4
173.0	014.8225	0106.7	036.0	015.3	100.0000	0299.6	107.0	53.4
174.0	014.4400	0106.5	035.8	014.9	100.0000	0299.6	107.0	53.4
175.0	014.0625	0106.3	035.5	014.6	100.0000	0299.6	107.0	53.4
176.0	013.6900	0106.0	035.3	014.2	100.0000	0299.3	107.1	53.4
177.0	013.3225	0105.8	035.0	013.9	100.0000	0299.3	107.1	53.4
178.0	012.9600	0105.8	034.8	013.5	100.0000	0299.3	107.1	53.4
179.0	012.6025	0105.8	034.6	013.2	100.0000	0299.1	107.2	53.3
180.0	012.2500	0105.7	034.3	012.9	100.0000	0299.1	107.3	53.3
181.0	011.9025	0105.5	034.1	012.5	100.0000	0299.1	107.4	53.3
182.0	011.5600	0105.0	033.8	012.2	100.0000	0299.0	107.6	53.2
183.0	011.2225	0104.6	033.5	011.9	100.0000	0299.0	107.8	53.2
184.0	010.8900	0104.1	033.2	011.5	100.0000	0299.0	108.0	53.1
185.0	010.5625	0103.8	032.9	011.2	100.0000	0298.9	108.2	53.0
186.0	010.2400	0103.6	032.6	010.9	100.0000	0298.9	108.5	53.0
187.0	009.9225	0103.3	032.3	010.6	100.0000	0298.9	108.7	52.9
188.0	009.6100	0103.1	032.0	010.3	100.0000	0298.9	109.0	52.8
189.0	009.3025	0102.9	031.7	010.0	100.0000	0298.9	109.2	52.8
190.0	009.0000	0102.5	031.4	009.7	100.0000	0298.9	109.5	52.7
191.0	009.0000	0101.9	031.3	009.4	100.0000	0298.9	109.6	52.6
192.0	009.0000	0101.1	031.2	009.1	100.0000	0298.9	109.8	52.6
193.0	009.0000	0100.3	031.1	008.9	100.0000	0298.9	109.9	52.6
194.0	009.0000	0099.7	031.0	008.6	100.0000	0298.9	110.1	52.5
195.0	009.0000	0099.2	030.9	008.3	100.0000	0298.9	110.2	52.5
196.0	009.0000	0098.9	030.9	008.0	100.0000	0298.9	110.3	52.5
197.0	009.0000	0098.6	030.8	007.8	100.0000	0298.9	110.4	52.4
198.0	009.0000	0098.4	030.8	007.5	100.0000	0298.9	110.6	52.4
199.0	009.0000	0098.1	030.8	007.2	100.0000	0299.2	110.7	52.4
200.0	009.0000	0097.7	030.7	007.0	100.0000	0299.2	110.9	52.3

* - WIXV STUDIED AT MAXIMUM CLASS C1 FACILITIES

MINOR CHANGE APPLICATION
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CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A4

* WIXV - BLH-19870414KO
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 306 M
N. Lat = 32 03 30
W. Lng = 81 20 20

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	100.0000	0298.0	072.2	199.8	009.0000	0097.7	070.9	46.1
001.0	100.0000	0298.3	072.3	198.8	009.0000	0098.1	070.4	46.2
002.0	100.0000	0298.7	072.3	197.8	009.0000	0098.4	070.0	46.4
003.0	100.0000	0299.0	072.3	196.8	009.0000	0098.6	069.7	46.5
004.0	100.0000	0299.3	072.3	195.8	009.0000	0098.9	069.4	46.6
005.0	100.0000	0299.6	072.3	194.8	009.0000	0099.2	069.1	46.7
006.0	100.0000	0299.5	072.3	193.8	009.0000	0099.7	068.9	46.8
007.0	100.0000	0299.2	072.3	192.7	009.0000	0100.3	068.8	46.9
008.0	100.0000	0298.9	072.3	191.7	009.0000	0101.1	068.7	46.9
009.0	100.0000	0298.9	072.3	190.6	009.0000	0101.9	068.7	47.0
010.0	100.0000	0298.9	072.3	189.6	009.1290	0102.5	068.7	47.1
011.0	100.0000	0298.9	072.3	188.5	009.4493	0102.9	068.7	47.2
012.0	100.0000	0299.0	072.3	187.5	009.7743	0103.3	068.8	47.4
013.0	100.0000	0299.1	072.3	186.4	010.1039	0103.6	068.9	47.5
014.0	100.0000	0299.3	072.3	185.4	010.4371	0103.8	069.0	47.6
015.0	100.0000	0299.6	072.4	184.4	010.7735	0104.1	069.2	47.7
016.0	100.0000	0299.8	072.4	183.3	011.1119	0104.6	069.5	47.8
017.0	100.0000	0299.9	072.4	182.3	011.4515	0105.0	069.7	47.9
018.0	100.0000	0300.0	072.4	181.3	011.7911	0105.5	070.1	47.9
019.0	100.0000	0300.0	072.4	180.3	012.1301	0105.7	070.5	48.0
020.0	100.0000	0300.0	072.4	179.4	012.4680	0105.8	070.9	48.0
021.0	100.0000	0300.0	072.4	178.4	012.8037	0105.8	071.4	47.9
022.0	100.0000	0300.0	072.4	177.5	013.1371	0105.8	071.9	47.9
023.0	100.0000	0300.0	072.4	176.6	013.4671	0105.8	072.4	47.8
024.0	100.0000	0300.0	072.4	175.7	013.7931	0106.0	073.0	47.8
025.0	100.0000	0300.0	072.4	174.9	014.1147	0106.3	073.6	47.7
026.0	100.0000	0300.0	072.4	174.0	014.4312	0106.5	074.2	47.6
027.0	100.0000	0300.0	072.4	173.2	014.7420	0106.7	074.9	47.5
028.0	100.0000	0300.0	072.4	172.4	015.0467	0106.7	075.7	47.4
029.0	100.0000	0300.0	072.4	171.7	015.3448	0106.7	076.4	47.3
030.0	100.0000	0300.0	072.4	170.9	015.6360	0106.7	077.2	47.1
031.0	100.0000	0300.0	072.4	170.2	015.9197	0106.7	078.0	47.0
032.0	100.0000	0300.0	072.4	169.5	016.1963	0106.7	078.8	46.8
033.0	100.0000	0300.1	072.4	168.8	016.4654	0106.8	079.7	46.7
034.0	100.0000	0300.2	072.4	168.2	016.7274	0107.1	080.6	46.5
035.0	100.0000	0300.3	072.4	167.6	016.9814	0107.1	081.5	46.3
036.0	100.0000	0300.5	072.4	167.0	017.2277	0107.1	082.4	46.1

* - WIXV STUDIED AT MAXIMUM CLASS C1 FACILITIES

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A5

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* WIXV.C - BPH-20020930ABB
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 305.8 M
N. Lat = 32 03 29
W. Lng = 81 20 19

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
164.0	018.4900	0106.2	037.7	018.4	100.0000	0299.8	108.3	53.0
165.0	018.0625	0106.6	037.5	018.0	100.0000	0299.8	108.1	53.1
166.0	017.6400	0107.1	037.4	017.7	100.0000	0299.8	107.8	53.2
167.0	017.2225	0107.1	037.2	017.4	100.0000	0299.7	107.7	53.2
168.0	016.8100	0107.1	037.0	017.0	100.0000	0299.7	107.5	53.3
169.0	016.4025	0106.8	036.8	016.7	100.0000	0299.7	107.4	53.3
170.0	016.0000	0106.7	036.6	016.3	100.0000	0299.6	107.3	53.3
171.0	015.6025	0106.7	036.4	016.0	100.0000	0299.6	107.2	53.4
172.0	015.2100	0106.7	036.2	015.6	100.0000	0299.6	107.1	53.4
173.0	014.8225	0106.7	036.0	015.3	100.0000	0299.4	107.1	53.4
174.0	014.4400	0106.5	035.8	014.9	100.0000	0299.4	107.0	53.4
175.0	014.0625	0106.3	035.5	014.6	100.0000	0299.4	107.0	53.4
176.0	013.6900	0106.0	035.3	014.2	100.0000	0299.2	107.1	53.4
177.0	013.3225	0105.8	035.0	013.9	100.0000	0299.2	107.1	53.4
178.0	012.9600	0105.8	034.8	013.5	100.0000	0299.2	107.2	53.4
179.0	012.6025	0105.8	034.6	013.2	100.0000	0299.0	107.2	53.3
180.0	012.2500	0105.7	034.3	012.8	100.0000	0299.0	107.3	53.3
181.0	011.9025	0105.5	034.1	012.5	100.0000	0299.0	107.4	53.3
182.0	011.5600	0105.0	033.8	012.2	100.0000	0298.8	107.6	53.2
183.0	011.2225	0104.6	033.5	011.8	100.0000	0298.8	107.8	53.2
184.0	010.8900	0104.1	033.2	011.5	100.0000	0298.8	108.0	53.1
185.0	010.5625	0103.8	032.9	011.2	100.0000	0298.7	108.3	53.0
186.0	010.2400	0103.6	032.6	010.9	100.0000	0298.7	108.5	53.0
187.0	009.9225	0103.3	032.3	010.6	100.0000	0298.7	108.7	52.9
188.0	009.6100	0103.1	032.0	010.3	100.0000	0298.7	109.0	52.8
189.0	009.3025	0102.9	031.7	010.0	100.0000	0298.7	109.3	52.7
190.0	009.0000	0102.5	031.4	009.7	100.0000	0298.7	109.6	52.7
191.0	009.0000	0101.9	031.3	009.4	100.0000	0298.7	109.7	52.6
192.0	009.0000	0101.1	031.2	009.1	100.0000	0298.7	109.8	52.6
193.0	009.0000	0100.3	031.1	008.8	100.0000	0298.7	110.0	52.6
194.0	009.0000	0099.7	031.0	008.6	100.0000	0298.7	110.1	52.5
195.0	009.0000	0099.2	030.9	008.3	100.0000	0298.7	110.2	52.5
196.0	009.0000	0098.9	030.9	008.0	100.0000	0298.7	110.3	52.4
197.0	009.0000	0098.6	030.8	007.8	100.0000	0298.7	110.5	52.4
198.0	009.0000	0098.4	030.8	007.5	100.0000	0299.0	110.6	52.4
199.0	009.0000	0098.1	030.8	007.2	100.0000	0299.0	110.7	52.3
200.0	009.0000	0097.7	030.7	007.0	100.0000	0299.0	110.9	52.3
201.0	009.0000	0097.5	030.7	006.7	100.0000	0299.0	111.1	52.3
202.0	009.0000	0097.3	030.6	006.4	100.0000	0299.2	111.2	52.2
203.0	009.0000	0097.2	030.6	006.2	100.0000	0299.2	111.4	52.2
204.0	009.0000	0097.2	030.6	005.9	100.0000	0299.2	111.6	52.1
205.0	009.0000	0097.2	030.6	005.7	100.0000	0299.2	111.7	52.1
206.0	009.0000	0097.0	030.6	005.4	100.0000	0299.4	111.9	52.0

* - WIXV.CP STUDIED AT MAXIMUM CLASS C1 FACILITIES

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A6

* WIXV.C - BPH-20020930ABB
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 305.8 M
N. Lat = 32 03 29
W. Lng = 81 20 19

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				Actual (dBu)
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	
000.0	100.0000	0297.8	072.2	199.7	009.0000	0097.7	070.9	46.1
001.0	100.0000	0298.2	072.2	198.8	009.0000	0098.1	070.5	46.2
002.0	100.0000	0298.5	072.3	197.8	009.0000	0098.4	070.1	46.4
003.0	100.0000	0298.9	072.3	196.8	009.0000	0098.6	069.7	46.5
004.0	100.0000	0299.1	072.3	195.8	009.0000	0098.9	069.4	46.6
005.0	100.0000	0299.4	072.3	194.8	009.0000	0099.2	069.2	46.7
006.0	100.0000	0299.2	072.3	193.7	009.0000	0099.7	069.0	46.8
007.0	100.0000	0299.0	072.3	192.7	009.0000	0100.3	068.9	46.8
008.0	100.0000	0298.7	072.3	191.6	009.0000	0101.1	068.8	46.9
009.0	100.0000	0298.7	072.3	190.6	009.0000	0101.9	068.7	47.0
010.0	100.0000	0298.7	072.3	189.5	009.1367	0102.5	068.7	47.1
011.0	100.0000	0298.7	072.3	188.5	009.4569	0103.1	068.7	47.3
012.0	100.0000	0298.8	072.3	187.4	009.7820	0103.3	068.8	47.4
013.0	100.0000	0299.0	072.3	186.4	010.1114	0103.6	068.9	47.5
014.0	100.0000	0299.2	072.3	185.4	010.4445	0103.8	069.1	47.6
015.0	100.0000	0299.4	072.3	184.3	010.7808	0104.1	069.3	47.7
016.0	100.0000	0299.6	072.4	183.3	011.1189	0104.6	069.5	47.8
017.0	100.0000	0299.7	072.4	182.3	011.4582	0105.0	069.8	47.9
018.0	100.0000	0299.8	072.4	181.3	011.7974	0105.5	070.1	47.9
019.0	100.0000	0299.8	072.4	180.3	012.1362	0105.7	070.5	47.9
020.0	100.0000	0299.8	072.4	179.4	012.4737	0105.8	070.9	47.9
021.0	100.0000	0299.8	072.4	178.4	012.8093	0105.8	071.4	47.9
022.0	100.0000	0299.8	072.4	177.5	013.1425	0105.8	071.9	47.9
023.0	100.0000	0299.8	072.4	176.6	013.4721	0105.8	072.4	47.8
024.0	100.0000	0299.8	072.4	175.7	013.7979	0106.0	073.0	47.8
025.0	100.0000	0299.8	072.4	174.8	014.1193	0106.3	073.6	47.7
026.0	100.0000	0299.8	072.4	174.0	014.4354	0106.5	074.3	47.6
027.0	100.0000	0299.8	072.4	173.2	014.7461	0106.7	075.0	47.5
028.0	100.0000	0299.8	072.4	172.4	015.0504	0106.7	075.7	47.4
029.0	100.0000	0299.8	072.4	171.6	015.3483	0106.7	076.5	47.3
030.0	100.0000	0299.8	072.4	170.9	015.6393	0106.7	077.2	47.1
031.0	100.0000	0299.8	072.4	170.2	015.9229	0106.7	078.0	47.0
032.0	100.0000	0299.8	072.4	169.5	016.1991	0106.7	078.9	46.8
033.0	100.0000	0299.9	072.4	168.8	016.4683	0106.8	079.7	46.6
034.0	100.0000	0300.0	072.4	168.2	016.7302	0107.1	080.6	46.5
035.0	100.0000	0300.2	072.4	167.6	016.9841	0107.1	081.5	46.3
036.0	100.0000	0300.3	072.4	167.0	017.2303	0107.1	082.5	46.1

* - WIXV.CP STUDIED AT MAXIMUM CLASS C1 FACILITIES

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A7

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* WQZY - BPH-20030401BZD
Channel = 240C0
Max ERP = 100 kW
RCAMSL = 542 M
N. Lat = 32 40 42
W. Lng = 82 33 26

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
213.0	009.0000	0091.6	029.7	069.2	100.0000	0456.9	129.9	52.7
214.0	009.0000	0091.1	029.7	069.0	100.0000	0456.9	129.7	52.8
215.0	009.0000	0090.8	029.6	068.8	100.0000	0456.9	129.4	52.8
216.0	009.0000	0090.7	029.6	068.6	100.0000	0456.9	129.2	52.9
217.0	009.0000	0090.7	029.6	068.4	100.0000	0458.1	128.9	53.0
218.0	009.0000	0090.7	029.6	068.2	100.0000	0458.1	128.6	53.1
219.0	009.0000	0090.7	029.6	068.0	100.0000	0458.1	128.4	53.1
220.0	009.0000	0090.6	029.6	067.8	100.0000	0458.1	128.1	53.2
221.0	009.0000	0090.6	029.6	067.6	100.0000	0458.1	127.9	53.2
222.0	009.0000	0090.5	029.6	067.4	100.0000	0459.4	127.7	53.3
223.0	009.0000	0090.5	029.6	067.2	100.0000	0459.4	127.4	53.4
224.0	009.0000	0090.5	029.6	067.0	100.0000	0459.4	127.2	53.4
225.0	009.0000	0090.6	029.6	066.8	100.0000	0459.4	127.0	53.5
226.0	009.0000	0090.7	029.6	066.5	100.0000	0459.4	126.8	53.6
227.0	009.0000	0090.9	029.6	066.3	100.0000	0460.5	126.6	53.6
228.0	009.0000	0091.0	029.7	066.1	100.0000	0460.5	126.4	53.7
229.0	009.0000	0091.0	029.7	065.9	100.0000	0460.5	126.2	53.7
230.0	009.0000	0091.0	029.7	065.7	100.0000	0460.5	126.1	53.8
231.0	009.0000	0091.1	029.7	065.4	100.0000	0461.3	125.9	53.8
232.0	009.0000	0091.2	029.7	065.2	100.0000	0461.3	125.8	53.9
233.0	009.0000	0091.1	029.7	065.0	100.0000	0461.3	125.7	53.9
234.0	009.0000	0090.6	029.6	064.7	100.0000	0461.3	125.6	53.9
235.0	009.0000	0090.1	029.5	064.5	100.0000	0461.3	125.6	53.9
236.0	009.0000	0089.8	029.5	064.3	100.0000	0461.7	125.6	53.9
237.0	009.0000	0089.6	029.4	064.0	100.0000	0461.7	125.5	53.9
238.0	009.0000	0089.5	029.4	063.8	100.0000	0461.7	125.5	53.9
239.0	009.0000	0089.4	029.4	063.6	100.0000	0461.7	125.5	54.0
240.0	009.0000	0089.1	029.4	063.3	100.0000	0461.6	125.5	54.0
241.0	009.0000	0088.9	029.3	063.1	100.0000	0461.6	125.5	54.0
242.0	009.0000	0088.7	029.3	062.9	100.0000	0461.6	125.5	54.0
243.0	009.0000	0088.4	029.2	062.6	100.0000	0461.6	125.5	53.9
244.0	009.0000	0088.1	029.2	062.4	100.0000	0461.2	125.6	53.9
245.0	009.0000	0087.8	029.1	062.2	100.0000	0461.2	125.6	53.9
246.0	009.0000	0087.5	029.1	061.9	100.0000	0461.2	125.7	53.9
247.0	009.0000	0087.1	029.0	061.7	100.0000	0461.2	125.8	53.9
248.0	009.0000	0086.9	029.0	061.5	100.0000	0460.5	125.9	53.8
249.0	009.0000	0086.8	029.0	061.2	100.0000	0460.5	125.9	53.8
250.0	009.0000	0086.8	029.0	061.0	100.0000	0460.5	126.0	53.8

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A7 (Cont.)

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* WQZY - BPH-20030401BZD
Channel = 240C0
Max ERP = 100 kW
RCAMSL = 542 M
N. Lat = 32 40 42
W. Lng = 82 33 26

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
251.0	009.3025	0087.1	029.3	060.8	100.0000	0460.5	125.8	53.8
252.0	009.6100	0087.5	029.5	060.5	100.0000	0460.5	125.6	53.9
253.0	009.9225	0087.8	029.8	060.3	100.0000	0459.8	125.5	53.9
254.0	010.2400	0087.9	030.0	060.0	100.0000	0459.8	125.4	53.9
255.0	010.5625	0087.7	030.2	059.7	100.0000	0459.8	125.3	53.9
256.0	010.8900	0087.2	030.4	059.5	100.0000	0459.3	125.3	53.9
257.0	011.2225	0086.7	030.5	059.2	100.0000	0459.3	125.4	53.9
258.0	011.5600	0086.1	030.6	059.0	100.0000	0459.3	125.4	53.9
259.0	011.9025	0085.6	030.7	058.7	100.0000	0459.3	125.5	53.9
260.0	012.2500	0085.0	030.8	058.5	100.0000	0459.0	125.6	53.9
261.0	012.6025	0084.4	030.9	058.3	100.0000	0459.0	125.7	53.8
262.0	012.9600	0083.9	031.0	058.0	100.0000	0459.0	125.8	53.8
263.0	013.3225	0083.5	031.2	057.8	100.0000	0459.0	125.9	53.8
264.0	013.6900	0083.3	031.3	057.5	100.0000	0458.6	125.9	53.7
265.0	014.0625	0083.3	031.5	057.2	100.0000	0458.6	126.0	53.7
266.0	014.4400	0083.4	031.7	057.0	100.0000	0458.6	126.1	53.7
267.0	014.8225	0083.5	032.0	056.7	100.0000	0458.6	126.1	53.7
268.0	015.2100	0083.6	032.2	056.4	100.0000	0458.1	126.2	53.7
269.0	015.6025	0083.6	032.4	056.2	100.0000	0458.1	126.4	53.6
270.0	016.0000	0084.0	032.7	055.9	100.0000	0458.1	126.4	53.6
271.0	016.4025	0084.4	032.9	055.6	100.0000	0458.1	126.5	53.6
272.0	016.8100	0084.7	033.2	055.3	100.0000	0457.7	126.6	53.5
273.0	017.2225	0085.1	033.5	055.0	100.0000	0457.7	126.8	53.5

* - WQZY APPLICATION STUDIED AT MAXIMUM CLASS C0 FACILITIES

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A8

* WQZY - BPH-20030401BZD
Channel = 240C0
Max ERP = 100 kW
RCAMSL = 542 M
N. Lat = 32 40 42
W. Lng = 82 33 26

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
041.0	100.0000	0455.1	083.8	265.4	014.2253	0083.3	082.7	44.0
042.0	100.0000	0455.3	083.8	264.7	013.9473	0083.3	081.7	44.2
043.0	100.0000	0455.5	083.8	263.9	013.6600	0083.3	080.7	44.4
044.0	100.0000	0455.3	083.8	263.1	013.3612	0083.5	079.8	44.5
045.0	100.0000	0455.1	083.8	262.3	013.0539	0083.9	078.9	44.7
046.0	100.0000	0455.2	083.8	261.4	012.7430	0084.4	078.1	44.9
047.0	100.0000	0455.6	083.8	260.5	012.4284	0084.4	077.2	45.0
048.0	100.0000	0455.9	083.9	259.6	012.1066	0085.0	076.4	45.1
049.0	100.0000	0456.0	083.9	258.6	011.7775	0085.6	075.7	45.2
050.0	100.0000	0456.2	083.9	257.7	011.4436	0086.1	075.0	45.3
051.0	100.0000	0456.5	083.9	256.7	011.1070	0086.7	074.3	45.4
052.0	100.0000	0456.9	083.9	255.6	010.7672	0087.2	073.7	45.5
053.0	100.0000	0457.2	084.0	254.6	010.4234	0087.7	073.1	45.5
054.0	100.0000	0457.4	084.0	253.5	010.0772	0087.8	072.6	45.5
055.0	100.0000	0457.7	084.0	252.4	009.7306	0087.5	072.1	45.5
056.0	100.0000	0458.1	084.0	251.3	009.3848	0087.1	071.7	45.4
057.0	100.0000	0458.6	084.1	250.1	009.0397	0086.8	071.3	45.4
058.0	100.0000	0459.0	084.1	249.0	009.0000	0086.8	071.0	45.4
059.0	100.0000	0459.3	084.1	247.8	009.0000	0086.9	070.7	45.5
060.0	100.0000	0459.8	084.1	246.6	009.0000	0087.1	070.5	45.6
061.0	100.0000	0460.5	084.2	245.4	009.0000	0087.8	070.3	45.7
062.0	100.0000	0461.2	084.2	244.2	009.0000	0088.1	070.2	45.7
063.0	100.0000	0461.6	084.3	243.0	009.0000	0088.4	070.2	45.8
064.0	100.0000	0461.7	084.3	241.8	009.0000	0088.7	070.2	45.8
065.0	100.0000	0461.3	084.2	240.6	009.0000	0088.9	070.3	45.8
066.0	100.0000	0460.5	084.2	239.5	009.0000	0089.4	070.5	45.7
067.0	100.0000	0459.4	084.1	238.3	009.0000	0089.5	070.8	45.6
068.0	100.0000	0458.1	084.0	237.1	009.0000	0089.6	071.2	45.6
069.0	100.0000	0456.9	083.9	236.0	009.0000	0089.8	071.6	45.4
070.0	100.0000	0455.9	083.9	234.9	009.0000	0090.1	072.0	45.3
071.0	100.0000	0455.4	083.8	233.8	009.0000	0090.6	072.4	45.2
072.0	100.0000	0455.4	083.8	232.7	009.0000	0091.1	072.9	45.1
073.0	100.0000	0455.8	083.8	231.6	009.0000	0091.2	073.4	45.0
074.0	100.0000	0456.2	083.9	230.5	009.0000	0091.1	073.9	44.8
075.0	100.0000	0456.6	083.9	229.5	009.0000	0091.0	074.5	44.7
076.0	100.0000	0456.9	083.9	228.5	009.0000	0091.0	075.2	44.5
077.0	100.0000	0457.3	084.0	227.5	009.0000	0091.0	075.9	44.3
078.0	100.0000	0457.8	084.0	226.6	009.0000	0090.9	076.6	44.1

* - WQZY APPLICATION STUDIED AT MAXIMUM CLASS C0 FACILITIES

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A9

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* RADD - Dublin, GA
Channel = 240C0
Max ERP = 100 kW
RCAMSL = 542 M
N. Lat = 323815
W. Lng = 823632

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
223.0	009.0000	0090.5	029.6	066.2	100.0000	0453.0	133.7	51.6
224.0	009.0000	0090.5	029.6	066.0	100.0000	0453.0	133.5	51.7
225.0	009.0000	0090.6	029.6	065.8	100.0000	0453.0	133.3	51.7
226.0	009.0000	0090.7	029.6	065.6	100.0000	0453.0	133.1	51.8
227.0	009.0000	0090.9	029.6	065.3	100.0000	0452.4	132.9	51.8
228.0	009.0000	0091.0	029.7	065.1	100.0000	0452.4	132.7	51.9
229.0	009.0000	0091.0	029.7	064.9	100.0000	0452.4	132.5	51.9
230.0	009.0000	0091.0	029.7	064.7	100.0000	0452.4	132.4	51.9
231.0	009.0000	0091.1	029.7	064.5	100.0000	0452.1	132.2	52.0
232.0	009.0000	0091.2	029.7	064.3	100.0000	0452.1	132.1	52.0
233.0	009.0000	0091.1	029.7	064.1	100.0000	0452.1	132.0	52.0
234.0	009.0000	0090.6	029.6	063.8	100.0000	0452.1	132.0	52.0
235.0	009.0000	0090.1	029.5	063.6	100.0000	0452.1	132.0	52.0
236.0	009.0000	0089.8	029.5	063.4	100.0000	0452.0	131.9	52.0
237.0	009.0000	0089.6	029.4	063.2	100.0000	0452.0	131.9	52.0
238.0	009.0000	0089.5	029.4	062.9	100.0000	0452.0	131.9	52.1
239.0	009.0000	0089.4	029.4	062.7	100.0000	0452.0	131.8	52.1
240.0	009.0000	0089.1	029.4	062.5	100.0000	0451.8	131.8	52.1
241.0	009.0000	0088.9	029.3	062.3	100.0000	0451.8	131.8	52.1
242.0	009.0000	0088.7	029.3	062.0	100.0000	0451.8	131.9	52.1
243.0	009.0000	0088.4	029.2	061.8	100.0000	0451.8	131.9	52.0
244.0	009.0000	0088.1	029.2	061.6	100.0000	0451.8	132.0	52.0
245.0	009.0000	0087.8	029.1	061.4	100.0000	0451.7	132.0	52.0
246.0	009.0000	0087.5	029.1	061.1	100.0000	0451.7	132.1	52.0
247.0	009.0000	0087.1	029.0	060.9	100.0000	0451.7	132.2	52.0
248.0	009.0000	0086.9	029.0	060.7	100.0000	0451.7	132.3	51.9
249.0	009.0000	0086.8	029.0	060.5	100.0000	0451.8	132.4	51.9
250.0	009.0000	0086.8	029.0	060.3	100.0000	0451.8	132.5	51.9
251.0	009.3025	0087.1	029.3	060.0	100.0000	0451.8	132.3	51.9
252.0	009.6100	0087.5	029.5	059.8	100.0000	0451.8	132.1	52.0
253.0	009.9225	0087.8	029.8	059.6	100.0000	0451.8	131.9	52.0
254.0	010.2400	0087.9	030.0	059.3	100.0000	0452.1	131.8	52.1
255.0	010.5625	0087.7	030.2	059.1	100.0000	0452.1	131.8	52.1
256.0	010.8900	0087.2	030.4	058.8	100.0000	0452.1	131.8	52.1
257.0	011.2225	0086.7	030.5	058.6	100.0000	0452.1	131.9	52.1
258.0	011.5600	0086.1	030.6	058.4	100.0000	0452.4	131.9	52.1
259.0	011.9025	0085.6	030.7	058.1	100.0000	0452.4	132.0	52.0
260.0	012.2500	0085.0	030.8	057.9	100.0000	0452.4	132.1	52.0
261.0	012.6025	0084.4	030.9	057.7	100.0000	0452.4	132.2	52.0
262.0	012.9600	0083.9	031.0	057.4	100.0000	0452.4	132.3	52.0
263.0	013.3225	0083.5	031.2	057.2	100.0000	0452.4	132.4	51.9

* - THE PROPOSED ALLOCATION IN DUBLIN, GEORGIA, STUDIED AT MAXIMUM CLASS C0 FACILITIES.

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A10

* RADD - Dublin, GA
Channel = 240C0
Max ERP = 100 kW
RCAMSL = 542 M
N. Lat = 323815
W. Lng = 823632

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				Actual (dBu)
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	
042.0	100.0000	0451.4	083.5	261.9	012.9294	0083.9	087.3	42.4
043.0	100.0000	0451.9	083.6	261.2	012.6641	0084.4	086.3	42.6
044.0	100.0000	0452.2	083.6	260.4	012.3905	0085.0	085.5	42.8
045.0	100.0000	0452.4	083.6	259.6	012.1095	0085.0	084.6	42.9
046.0	100.0000	0452.3	083.6	258.8	011.8210	0085.6	083.8	43.0
047.0	100.0000	0452.2	083.6	257.9	011.5264	0086.1	083.1	43.2
048.0	100.0000	0452.1	083.6	257.0	011.2281	0086.7	082.4	43.3
049.0	100.0000	0452.4	083.6	256.1	010.9283	0087.2	081.7	43.4
050.0	100.0000	0452.7	083.6	255.2	010.6257	0087.7	081.0	43.4
051.0	100.0000	0452.8	083.6	254.2	010.3190	0087.9	080.4	43.5
052.0	100.0000	0452.7	083.6	253.3	010.0083	0087.8	079.9	43.5
053.0	100.0000	0452.4	083.6	252.3	009.6956	0087.5	079.4	43.5
054.0	100.0000	0452.1	083.6	251.3	009.3829	0087.1	079.0	43.4
055.0	100.0000	0452.0	083.6	250.2	009.0717	0086.8	078.6	43.4
056.0	100.0000	0452.2	083.6	249.2	009.0000	0086.8	078.2	43.4
057.0	100.0000	0452.4	083.6	248.2	009.0000	0086.9	077.9	43.5
058.0	100.0000	0452.4	083.6	247.1	009.0000	0087.1	077.7	43.6
059.0	100.0000	0452.1	083.6	246.0	009.0000	0087.5	077.5	43.7
060.0	100.0000	0451.8	083.6	244.9	009.0000	0087.8	077.4	43.7
061.0	100.0000	0451.7	083.6	243.9	009.0000	0088.1	077.3	43.8
062.0	100.0000	0451.8	083.6	242.8	009.0000	0088.4	077.3	43.8
063.0	100.0000	0452.0	083.6	241.7	009.0000	0088.7	077.3	43.8
064.0	100.0000	0452.1	083.6	240.6	009.0000	0088.9	077.3	43.8
065.0	100.0000	0452.4	083.6	239.5	009.0000	0089.1	077.4	43.8
066.0	100.0000	0453.0	083.6	238.5	009.0000	0089.5	077.6	43.8
067.0	100.0000	0453.6	083.7	237.4	009.0000	0089.6	077.7	43.7
068.0	100.0000	0454.3	083.7	236.3	009.0000	0089.8	078.0	43.7
069.0	100.0000	0454.9	083.8	235.3	009.0000	0090.1	078.3	43.6
070.0	100.0000	0455.4	083.8	234.2	009.0000	0090.6	078.6	43.5
071.0	100.0000	0455.8	083.8	233.2	009.0000	0091.1	079.0	43.4
072.0	100.0000	0455.9	083.9	232.2	009.0000	0091.2	079.5	43.3
073.0	100.0000	0456.1	083.9	231.2	009.0000	0091.1	080.0	43.2
074.0	100.0000	0456.6	083.9	230.3	009.0000	0091.0	080.5	43.0
075.0	100.0000	0457.3	084.0	229.3	009.0000	0091.0	081.1	42.9
076.0	100.0000	0458.0	084.0	228.4	009.0000	0091.0	081.7	42.7
077.0	100.0000	0458.5	084.0	227.5	009.0000	0090.9	082.4	42.5
078.0	100.0000	0458.8	084.1	226.6	009.0000	0090.9	083.2	42.3
079.0	100.0000	0458.9	084.1	225.7	009.0000	0090.7	083.9	42.1
080.0	100.0000	0458.7	084.1	224.9	009.0000	0090.6	084.8	41.8
081.0	100.0000	0458.5	084.0	224.1	009.0000	0090.5	085.7	41.6
082.0	100.0000	0458.5	084.0	223.4	009.0000	0090.5	086.6	41.3

* - THE PROPOSED ALLOCATION IN DUBLIN, GEORGIA, STUDIED AT MAXIMUM CLASS C0 FACILITIES.

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A11

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

* RADD - Savannah, GA
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 299 M
N. Lat = 32 06 18
W. Lng = 81 29 17

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
171.0	015.6025	0106.7	036.4	023.9	100.0000	0285.6	107.1	53.0
172.0	015.2100	0106.7	036.2	023.6	100.0000	0285.6	107.0	53.0
173.0	014.8225	0106.7	036.0	023.2	100.0000	0285.3	106.8	53.1
174.0	014.4400	0106.5	035.8	022.9	100.0000	0285.3	106.7	53.1
175.0	014.0625	0106.3	035.5	022.5	100.0000	0285.3	106.6	53.1
176.0	013.6900	0106.0	035.3	022.2	100.0000	0285.0	106.6	53.1
177.0	013.3225	0105.8	035.0	021.8	100.0000	0285.0	106.5	53.1
178.0	012.9600	0105.8	034.8	021.5	100.0000	0284.8	106.5	53.1
179.0	012.6025	0105.8	034.6	021.1	100.0000	0284.8	106.4	53.2
180.0	012.2500	0105.7	034.3	020.8	100.0000	0284.8	106.4	53.2
181.0	011.9025	0105.5	034.1	020.4	100.0000	0284.8	106.5	53.1
182.0	011.5600	0105.0	033.8	020.1	100.0000	0284.8	106.6	53.1
183.0	011.2225	0104.6	033.5	019.7	100.0000	0284.8	106.7	53.1
184.0	010.8900	0104.1	033.2	019.4	100.0000	0284.7	106.8	53.0
185.0	010.5625	0103.8	032.9	019.1	100.0000	0284.7	106.9	53.0
186.0	010.2400	0103.6	032.6	018.7	100.0000	0284.7	107.1	53.0
187.0	009.9225	0103.3	032.3	018.4	100.0000	0284.4	107.2	52.9
188.0	009.6100	0103.1	032.0	018.1	100.0000	0284.4	107.4	52.9
189.0	009.3025	0102.9	031.7	017.8	100.0000	0284.4	107.6	52.8
190.0	009.0000	0102.5	031.4	017.5	100.0000	0284.0	107.8	52.7
191.0	009.0000	0101.9	031.3	017.2	100.0000	0284.0	107.8	52.7
192.0	009.0000	0101.1	031.2	016.9	100.0000	0284.0	107.9	52.7
193.0	009.0000	0100.3	031.1	016.6	100.0000	0284.0	108.0	52.7
194.0	009.0000	0099.7	031.0	016.3	100.0000	0283.6	108.1	52.7
195.0	009.0000	0099.2	030.9	016.0	100.0000	0283.6	108.1	52.6
196.0	009.0000	0098.9	030.9	015.7	100.0000	0283.6	108.2	52.6
197.0	009.0000	0098.6	030.8	015.4	100.0000	0283.3	108.2	52.6
198.0	009.0000	0098.4	030.8	015.2	100.0000	0283.3	108.3	52.6
199.0	009.0000	0098.1	030.8	014.9	100.0000	0283.3	108.3	52.6
200.0	009.0000	0097.7	030.7	014.6	100.0000	0283.3	108.4	52.5
201.0	009.0000	0097.5	030.7	014.3	100.0000	0283.0	108.5	52.5
202.0	009.0000	0097.3	030.6	014.0	100.0000	0283.0	108.6	52.5
203.0	009.0000	0097.2	030.6	013.8	100.0000	0283.0	108.7	52.5
204.0	009.0000	0097.2	030.6	013.5	100.0000	0283.0	108.8	52.4
205.0	009.0000	0097.2	030.6	013.2	100.0000	0283.0	108.9	52.4
206.0	009.0000	0097.0	030.6	013.0	100.0000	0283.0	109.0	52.4
207.0	009.0000	0096.7	030.5	012.7	100.0000	0283.0	109.2	52.3
208.0	009.0000	0096.1	030.5	012.4	100.0000	0283.0	109.5	52.3
209.0	009.0000	0095.2	030.3	012.2	100.0000	0283.0	109.7	52.2
210.0	009.0000	0094.1	030.1	012.0	100.0000	0283.0	110.1	52.1
211.0	009.0000	0093.0	030.0	011.7	100.0000	0283.0	110.4	52.0

* - THE PROPOSED ALLOCATION IN SAVANNAH, GEORGIA, STUDIED AT MAXIMUM CLASS C1 FACILITIES.

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A12

* RADD - Savannah, GA
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 299 M
N. Lat = 32 06 18
W. Lng = 81 29 17

WWBD - Proposed
Channel = 239C3
Max ERP = 25 kW
RCAMSL = 151 M
N. Lat = 33 18 39
W. Lng = 81 04 56

30 second terrain database

Protected 60 dBu				Interfering 54 dBu				Actual (dBu)
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	
004.0	100.0000	0283.8	071.1	207.7	009.0000	0096.1	070.9	46.0
005.0	100.0000	0283.7	071.1	206.7	009.0000	0096.7	070.5	46.2
006.0	100.0000	0283.6	071.1	205.8	009.0000	0097.0	070.0	46.3
007.0	100.0000	0283.4	071.0	204.8	009.0000	0097.2	069.7	46.4
008.0	100.0000	0283.2	071.0	203.8	009.0000	0097.2	069.3	46.5
009.0	100.0000	0283.1	071.0	202.8	009.0000	0097.2	069.0	46.6
010.0	100.0000	0283.0	071.0	201.8	009.0000	0097.3	068.7	46.7
011.0	100.0000	0283.0	071.0	200.8	009.0000	0097.5	068.5	46.8
012.0	100.0000	0283.0	071.0	199.8	009.0000	0097.7	068.3	46.9
013.0	100.0000	0283.0	071.0	198.8	009.0000	0098.1	068.2	46.9
014.0	100.0000	0283.0	071.0	197.7	009.0000	0098.4	068.1	47.0
015.0	100.0000	0283.3	071.0	196.7	009.0000	0098.6	068.0	47.0
016.0	100.0000	0283.6	071.1	195.6	009.0000	0098.9	067.9	47.0
017.0	100.0000	0284.0	071.1	194.6	009.0000	0099.2	067.9	47.1
018.0	100.0000	0284.4	071.1	193.5	009.0000	0099.7	068.0	47.1
019.0	100.0000	0284.7	071.1	192.5	009.0000	0100.3	068.1	47.1
020.0	100.0000	0284.8	071.2	191.5	009.0000	0101.9	068.2	47.1
021.0	100.0000	0284.8	071.2	190.4	009.0000	0102.5	068.4	47.1
022.0	100.0000	0285.0	071.2	189.4	009.1724	0102.9	068.7	47.1
023.0	100.0000	0285.3	071.2	188.4	009.4805	0103.1	068.9	47.2
024.0	100.0000	0285.6	071.2	187.4	009.7898	0103.3	069.2	47.3
025.0	100.0000	0285.8	071.2	186.4	010.0988	0103.6	069.6	47.3
026.0	100.0000	0285.8	071.2	185.5	010.4061	0103.8	070.0	47.3
027.0	100.0000	0285.7	071.2	184.5	010.7117	0103.8	070.5	47.3
028.0	100.0000	0285.7	071.2	183.6	011.0158	0104.1	071.0	47.3
029.0	100.0000	0285.9	071.2	182.7	011.3184	0104.6	071.5	47.3
030.0	100.0000	0286.1	071.3	181.8	011.6192	0105.0	072.0	47.3
031.0	100.0000	0286.3	071.3	181.0	011.9165	0105.5	072.6	47.2
032.0	100.0000	0286.5	071.3	180.1	012.2087	0105.7	073.3	47.2
033.0	100.0000	0286.6	071.3	179.3	012.4959	0105.8	073.9	47.1
034.0	100.0000	0286.9	071.3	178.5	012.7794	0105.8	074.6	47.0
035.0	100.0000	0287.3	071.4	177.7	013.0593	0105.8	075.3	46.9
036.0	100.0000	0287.7	071.4	177.0	013.3345	0105.8	076.1	46.7
037.0	100.0000	0288.2	071.4	176.2	013.6040	0106.0	076.8	46.6
038.0	100.0000	0288.7	071.5	175.5	013.8675	0106.0	077.6	46.5
039.0	100.0000	0289.3	071.5	174.8	014.1246	0106.3	078.5	46.3
040.0	100.0000	0289.7	071.6	174.2	014.3739	0106.5	079.3	46.2
041.0	100.0000	0290.1	071.6	173.5	014.6148	0106.5	080.2	46.0

* - THE PROPOSED ALLOCATION IN SAVANNAH, GEORGIA, STUDIED AT MAXIMUM CLASS C1 FACILITIES.

MINOR CHANGE APPLICATION
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
October 2003

EXHIBIT A13

Predicted contours:

N. Lat. = 33 18 39 - Tabulated Protected and Interfering Contours
W. Lng. = 81 04 56 - 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	61.9	89.1	25.0000	13.98	1.000	3.83	21.95	37.16	58.04	111.68
010	60.0	91.0	25.0000	13.98	1.000	3.87	22.18	37.51	58.43	112.03
020	57.1	93.9	25.0000	13.98	1.000	3.93	22.54	38.04	59.02	112.55
030	57.5	93.5	25.0000	13.98	1.000	3.93	22.48	37.97	58.93	112.47
040	56.1	94.9	25.0000	13.98	1.000	3.95	22.65	38.21	59.21	112.73
045	53.3	97.7	25.0000	13.98	1.000	4.01	22.97	38.69	59.74	113.22
050	51.6	99.4	25.0000	13.98	1.000	4.05	23.17	38.99	60.07	113.53
060	47.9	103.1	25.0000	13.98	1.000	4.13	23.57	39.58	60.74	114.18
070	45.1	105.9	25.0000	13.98	1.000	4.18	23.88	40.03	61.26	114.69
080	41.8	109.2	25.0000	13.98	1.000	4.25	24.22	40.53	61.84	115.27
090	41.1	109.9	25.0000	13.98	1.000	4.26	24.29	40.63	61.96	115.39
100	41.2	109.8	25.0000	13.98	1.000	4.26	24.29	40.62	61.95	115.38
110	43.5	107.5	25.0000	13.98	1.000	4.21	24.05	40.27	61.54	114.97
120	43.1	107.9	25.0000	13.98	1.000	4.22	24.09	40.34	61.61	115.04
130	40.6	110.4	25.0000	13.98	1.000	4.27	24.34	40.70	62.05	115.48
135	39.6	111.4	25.0000	13.98	1.000	4.29	24.44	40.85	62.22	115.66
140	37.0	114.0	25.0000	13.98	1.000	4.33	24.69	41.21	62.66	116.10
150	42.2	108.8	24.5025	13.89	0.990	4.22	24.07	40.30	61.50	114.70
160	44.8	106.2	19.8025	12.97	0.890	3.93	22.66	38.21	58.46	109.32
170	44.3	106.7	15.6025	11.93	0.790	3.69	21.49	36.41	55.80	104.40
180	45.3	105.7	11.9025	10.76	0.690	3.41	20.02	34.12	52.56	99.04
190	48.5	102.5	9.0000	9.54	0.600	3.10	18.34	31.44	48.80	93.64
200	53.3	97.7	9.0000	9.54	0.600	3.03	17.86	30.71	47.83	92.85
210	56.9	94.1	9.0000	9.54	0.600	2.98	17.47	30.14	47.03	92.23
220	60.4	90.6	9.0000	9.54	0.600	2.93	17.10	29.60	46.25	91.65
225	60.4	90.6	9.0000	9.54	0.600	2.93	17.09	29.59	46.24	91.64
230	60.0	91.0	9.0000	9.54	0.600	2.93	17.14	29.66	46.33	91.71
240	61.9	89.1	9.0000	9.54	0.600	2.91	16.93	29.36	45.90	91.39
250	64.2	86.8	9.3025	9.69	0.610	2.90	16.83	29.21	45.71	91.54
260	66.0	85.0	12.6025	11.00	0.710	3.11	18.06	31.02	48.92	96.59
270	67.0	84.0	16.4025	12.15	0.810	3.33	19.22	32.86	51.86	101.55
280	69.3	81.7	20.7025	13.16	0.910	3.48	20.08	34.24	54.14	106.08
290	74.8	76.2	25.0000	13.98	1.000	3.54	20.31	34.61	55.19	109.37
300	71.3	79.7	25.0000	13.98	1.000	3.62	20.77	35.34	56.01	110.01
310	64.5	86.5	25.0000	13.98	1.000	3.78	21.63	36.67	57.51	111.23
315	61.3	89.7	25.0000	13.98	1.000	3.85	22.03	37.29	58.18	111.81
320	58.0	93.0	25.0000	13.98	1.000	3.92	22.43	37.88	58.84	112.39
330	57.5	93.5	25.0000	13.98	1.000	3.93	22.49	37.97	58.94	112.48
340	57.7	93.3	25.0000	13.98	1.000	3.92	22.46	37.92	58.89	112.43
350	60.6	90.4	25.0000	13.98	1.000	3.86	22.11	37.40	58.31	111.92

AMSL= 151M