AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The WWBD proposed antenna location will be shortspaced to one other FM broadcast facility, WIXV, Channel 238C1, Savannah, Georgia.[1] The detailed spacing information with regard to this station is shown on Exhibit A1. Miller Communications, Inc., proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage 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 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 permit WIXV facilities or the proposed designated coordinates for WIXV. 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.[2] Attached as Exhibits A3 through A8 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. Further, attached as Exhibit A9 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no

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1) The proposed WWBD site is shortspaced to WIXV, Savannah, Georgia (both licensed and permitted) as well as their proposed designated allocation coordinates.

2) The WIXV licensed facility operates with a power of 100 kW and a height above average terrain of 261 meters, while the WIXV construction permit specifies operation with 98 kW and a height above average terrain of 301meters and the specified coordinates for WIXV do not specify power or height. The respective antenna centers of radiation were analyzed at a HAAT of 299 meters with the powers adjusted to 100.0 kilowatts for this §73.215 analysis.

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A1

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

REFERENCE
33 18 39 N
81 04 56 W

CLASS = C3
Current Spacings
Channel 239 - 95.7 MHz

DISPLAY DATES
DATA 04-11-03
SEARCH 04-17-03

	Call	Channel	Location		Dist	Azi	FCC	Margin
	N. Lat.	W. Lng.	Ant	Power		HAAT		
	WWBD.A	APP-Z	239C3	Bamberg	SC	0.04	39.5	153.0	-152.96
	33 18 40	81 04 55	ZCX	25.000 kW		97 M		
	Miller Communications, Inc			BPH20030402AEB				
	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		
	Wwbd, Llc			BLH19970811KC				
*	ALLO	RSV	239C3	Bamberg	SC	11.94	347.9	153.0	-141.06
	33 24 58	81 06 33		25.000 kW		100 M		
**	RADD	ADD	238C1	Savannah	GA	139.03	195.9	144.0	-4.97
	32 06 18	81 29 17		100.000 kW		299 M		
**	WIXV	LIC	238C1	Savannah	GA	140.97	189.9	144.0	-3.03
	32 03 30	81 20 20	CN	100.000 kW		261 M		
	Cumulus Licensing Corp.			BLH19870414KO				
**	WIXV.C	CP	238C1	Savannah	GA	140.99	189.8	144.0	-3.01
	32 03 29	81 20 19	CX	98.000 kW		301 M		
	Cumulus Licensing Corp.			BPH20020930ABB				
	RADD	ADD	238C3	Greeleyville	SC	101.09	73.6	99.0	2.09
	33 33 43	80 02 14		25.000 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			BLH20020606AAY				
	RADD	ADD	240A	Wedgfield	SC	95.40	41.8	89.0	6.40
	33 56 56	80 23 34		6.000 kW		100 M		
	WIBZ.A	APP	238A	Wedgefield	SC	96.39	46.6	89.0	7.39
	33 54 16	80 19 25	CX	4.600 kW		114 M		
	Miller Communications, Inc			BPH20030331AAI				
	WQZY	LIC-N	240C1	Dublin	GA	154.67	243.3	144.0	10.67
	32 40 42	82 33 26	NCN	88.000 kW		312 M		
	State Broadcasting Corpora			BLH19930719KE				
+	WXRC	LIC-D	239C0	Hickory	NC	237.79	0.4	226.0	11.79
	35 27 16	81 03 46	DCN	100.000 kW		311 M		
	Pacific Broadcasting Croup			BLH19890616KE				

* Note: This amendment relocates the proposed allocation coordinates for Channel 239C3 in Bamberg.

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

\+ Note: This amendment is a triggering application to downgrade WXRC, Hickory, North Carolina from Class C to Class C0.

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 - NEW REFERENCE
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
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
AMENDMENT TO BPH-20030403AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

Scale 1:1,500,000
0 20 40 60 km

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A3

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

Protected
60 dBu

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

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)
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	012.2500	0105.5	034.3	012.5	100.0000	0299.1	107.2	53.3
182.0	012.2500	0105.0	034.2	012.2	100.0000	0299.0	107.1	53.4
183.0	012.2500	0104.6	034.2	011.9	100.0000	0299.0	107.1	53.4
184.0	012.2500	0104.1	034.1	011.6	100.0000	0299.0	107.1	53.4
185.0	012.2500	0103.8	034.1	011.3	100.0000	0298.9	107.1	53.4
186.0	012.2500	0103.6	034.0	011.0	100.0000	0298.9	107.0	53.4
187.0	012.2500	0103.3	034.0	010.6	100.0000	0298.9	107.0	53.4
188.0	012.2500	0103.1	033.9	010.3	100.0000	0298.9	107.0	53.4
189.0	012.2500	0102.9	033.9	010.0	100.0000	0298.9	107.1	53.4
190.0	012.2500	0102.5	033.9	009.7	100.0000	0298.9	107.1	53.4
191.0	012.2500	0101.9	033.8	009.4	100.0000	0298.9	107.2	53.3
192.0	012.2500	0101.1	033.6	009.1	100.0000	0298.9	107.4	53.3
193.0	012.2500	0100.3	033.5	008.8	100.0000	0298.9	107.5	53.2
194.0	012.2500	0099.7	033.4	008.5	100.0000	0298.9	107.7	53.2
195.0	012.2500	0099.2	033.3	008.2	100.0000	0298.9	107.8	53.2
196.0	012.2500	0098.9	033.3	007.9	100.0000	0298.9	108.0	53.1
197.0	012.2500	0098.6	033.2	007.6	100.0000	0298.9	108.1	53.1
198.0	012.2500	0098.4	033.2	007.3	100.0000	0299.2	108.2	53.0
199.0	012.2500	0098.1	033.1	007.0	100.0000	0299.2	108.4	53.0
200.0	012.2500	0097.7	033.1	006.7	100.0000	0299.2	108.6	52.9

* - WIXV STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A4

* WIXV - BLH-19870414KO	WWBD - Proposed
Channel = 238C1	Channel = 239C3
Max ERP = 100 kW	Max ERP = 25 kW
RCAMSL = 306 M	RCAMSL = 151 M
N. Lat = 32 03 30	N. Lat = 33 18 39
W. Lng = 81 20 20	W. Lng = 81 04 56
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)
350.0	100.0000	0299.1	072.3	208.4	015.3483	0096.1	076.9	46.6
351.0	100.0000	0298.5	072.3	207.6	015.0475	0096.1	076.2	46.7
352.0	100.0000	0297.8	072.2	206.8	014.7393	0096.7	075.5	46.9
353.0	100.0000	0297.2	072.2	206.0	014.4272	0097.0	074.8	47.0
354.0	100.0000	0296.9	072.1	205.1	014.1124	0097.2	074.2	47.1
355.0	100.0000	0296.6	072.1	204.3	013.7938	0097.2	073.6	47.1
356.0	100.0000	0296.6	072.1	203.4	013.4734	0097.2	073.0	47.2
357.0	100.0000	0296.9	072.1	202.5	013.1522	0097.2	072.4	47.3
358.0	100.0000	0297.3	072.2	201.6	012.8274	0097.3	071.8	47.3
359.0	100.0000	0297.6	072.2	200.7	012.4992	0097.5	071.3	47.4
000.0	100.0000	0298.0	072.2	199.8	012.2500	0097.7	070.9	47.4
001.0	100.0000	0298.3	072.3	198.8	012.2500	0098.1	070.4	47.6
002.0	100.0000	0298.7	072.3	197.8	012.2500	0098.4	070.0	47.7
003.0	100.0000	0299.0	072.3	196.8	012.2500	0098.6	069.7	47.8
004.0	100.0000	0299.3	072.3	195.8	012.2500	0098.9	069.4	47.9
005.0	100.0000	0299.6	072.3	194.8	012.2500	0099.2	069.1	48.0
006.0	100.0000	0299.5	072.3	193.8	012.2500	0099.7	068.9	48.1
007.0	100.0000	0299.2	072.3	192.7	012.2500	0100.3	068.8	48.2
008.0	100.0000	0298.9	072.3	191.7	012.2500	0101.1	068.7	48.3
009.0	100.0000	0298.9	072.3	190.6	012.2500	0101.9	068.7	48.3
010.0	100.0000	0298.9	072.3	189.6	012.2500	0102.5	068.7	48.4
011.0	100.0000	0298.9	072.3	188.5	012.2500	0102.9	068.7	48.4
012.0	100.0000	0299.0	072.3	187.5	012.2500	0103.3	068.8	48.4
013.0	100.0000	0299.1	072.3	186.4	012.2500	0103.6	068.9	48.4
014.0	100.0000	0299.3	072.3	185.4	012.2500	0103.8	069.0	48.3
015.0	100.0000	0299.6	072.4	184.4	012.2500	0104.1	069.2	48.3
016.0	100.0000	0299.8	072.4	183.3	012.2500	0104.6	069.5	48.2
017.0	100.0000	0299.9	072.4	182.3	012.2500	0105.0	069.7	48.2
018.0	100.0000	0300.0	072.4	181.3	012.2500	0105.5	070.1	48.1
019.0	100.0000	0300.0	072.4	180.3	012.2500	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

* - WIXV STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 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

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)
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	012.2500	0105.5	034.3	012.5	100.0000	0299.0	107.2	53.3
182.0	012.2500	0105.0	034.2	012.2	100.0000	0298.8	107.2	53.3
183.0	012.2500	0104.6	034.2	011.9	100.0000	0298.8	107.1	53.4
184.0	012.2500	0104.1	034.1	011.6	100.0000	0298.8	107.1	53.4
185.0	012.2500	0103.8	034.1	011.3	100.0000	0298.7	107.1	53.4
186.0	012.2500	0103.6	034.0	010.9	100.0000	0298.7	107.1	53.4
187.0	012.2500	0103.3	034.0	010.6	100.0000	0298.7	107.1	53.4
188.0	012.2500	0103.1	033.9	010.3	100.0000	0298.7	107.1	53.4
189.0	012.2500	0102.9	033.9	010.0	100.0000	0298.7	107.1	53.4
190.0	012.2500	0102.5	033.9	009.7	100.0000	0298.7	107.1	53.3
191.0	012.2500	0101.9	033.8	009.4	100.0000	0298.7	107.3	53.3
192.0	012.2500	0101.1	033.6	009.1	100.0000	0298.7	107.4	53.3
193.0	012.2500	0100.3	033.5	008.8	100.0000	0298.7	107.6	53.2
194.0	012.2500	0099.7	033.4	008.5	100.0000	0298.7	107.7	53.2
195.0	012.2500	0099.2	033.3	008.2	100.0000	0298.7	107.9	53.1
196.0	012.2500	0098.9	033.3	007.9	100.0000	0298.7	108.0	53.1
197.0	012.2500	0098.6	033.2	007.6	100.0000	0298.7	108.1	53.1
198.0	012.2500	0098.4	033.2	007.3	100.0000	0299.0	108.3	53.0
199.0	012.2500	0098.1	033.1	007.0	100.0000	0299.0	108.4	53.0
200.0	012.2500	0097.7	033.1	006.7	100.0000	0299.0	108.6	52.9
201.0	012.6025	0097.5	033.2	006.4	100.0000	0299.2	108.6	53.0
202.0	012.9600	0097.3	033.4	006.1	100.0000	0299.2	108.5	53.0
203.0	013.3225	0097.2	033.6	005.7	100.0000	0299.2	108.5	53.0
204.0	013.6900	0097.2	033.9	005.4	100.0000	0299.4	108.5	53.0
205.0	014.0625	0097.2	034.1	005.1	100.0000	0299.4	108.5	53.0
206.0	014.4400	0097.0	034.2	004.7	100.0000	0299.4	108.5	53.0

* - WIXV.CP STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A6

* WIXV.C - BPH-20020930ABB	WWBD - Proposed
Channel = 238C1	Channel = 239C3
Max ERP = 100 kW	Max ERP = 25 kW
RCAMSL = 305.8 M	RCAMSL = 151 M
N. Lat = 32 03 29	N. Lat = 33 18 39
W. Lng = 81 20 19	W. Lng = 81 04 56
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)
353.0	100.0000	0297.0	072.2	205.9	014.4138	0097.0	074.9	47.0
354.0	100.0000	0296.7	072.1	205.1	014.0992	0097.2	074.2	47.1
355.0	100.0000	0296.5	072.1	204.2	013.7814	0097.2	073.6	47.1
356.0	100.0000	0296.5	072.1	203.4	013.4614	0097.2	073.0	47.2
357.0	100.0000	0296.8	072.1	202.5	013.1406	0097.3	072.4	47.3
358.0	100.0000	0297.1	072.2	201.6	012.8159	0097.3	071.9	47.3
359.0	100.0000	0297.5	072.2	200.7	012.4881	0097.5	071.4	47.4
000.0	100.0000	0297.8	072.2	199.7	012.2500	0097.7	070.9	47.4
001.0	100.0000	0298.2	072.2	198.8	012.2500	0098.1	070.5	47.6
002.0	100.0000	0298.5	072.3	197.8	012.2500	0098.4	070.1	47.7
003.0	100.0000	0298.9	072.3	196.8	012.2500	0098.6	069.7	47.8
004.0	100.0000	0299.1	072.3	195.8	012.2500	0098.9	069.4	47.9
005.0	100.0000	0299.4	072.3	194.8	012.2500	0099.2	069.2	48.0
006.0	100.0000	0299.2	072.3	193.7	012.2500	0099.7	069.0	48.1
007.0	100.0000	0299.0	072.3	192.7	012.2500	0100.3	068.9	48.2
008.0	100.0000	0298.7	072.3	191.6	012.2500	0101.1	068.8	48.3
009.0	100.0000	0298.7	072.3	190.6	012.2500	0101.9	068.7	48.3
010.0	100.0000	0298.7	072.3	189.5	012.2500	0102.5	068.7	48.4
011.0	100.0000	0298.7	072.3	188.5	012.2500	0103.1	068.7	48.4
012.0	100.0000	0298.8	072.3	187.4	012.2500	0103.3	068.8	48.4
013.0	100.0000	0299.0	072.3	186.4	012.2500	0103.6	068.9	48.3
014.0	100.0000	0299.2	072.3	185.4	012.2500	0103.8	069.1	48.3
015.0	100.0000	0299.4	072.3	184.3	012.2500	0104.1	069.3	48.3
016.0	100.0000	0299.6	072.4	183.3	012.2500	0104.6	069.5	48.2
017.0	100.0000	0299.7	072.4	182.3	012.2500	0105.0	069.8	48.2
018.0	100.0000	0299.8	072.4	181.3	012.2500	0105.5	070.1	48.1
019.0	100.0000	0299.8	072.4	180.3	012.2500	0105.7	070.5	48.0
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

* - WIXV.CP STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A7

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

Protected
60 dBu

* WIXV - SAVANNAH, GA
SPECIFIED COORDINATES
Channel = 238C1
Max ERP = 100 kW
RCAMSL = 311.71 M
N. Lat = 32 06 18
W. Lng = 81 29 17

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)
174.0	014.4400	0106.5	035.8	022.9	100.0000	0298.0	106.7	53.5
175.0	014.0625	0106.3	035.5	022.5	100.0000	0298.0	106.6	53.5
176.0	013.6900	0106.0	035.3	022.2	100.0000	0297.7	106.6	53.5
177.0	013.3225	0105.8	035.0	021.8	100.0000	0297.7	106.5	53.5
178.0	012.9600	0105.8	034.8	021.5	100.0000	0297.5	106.5	53.5
179.0	012.6025	0105.8	034.6	021.1	100.0000	0297.5	106.4	53.5
180.0	012.2500	0105.7	034.3	020.8	100.0000	0297.5	106.4	53.5
181.0	012.2500	0105.5	034.3	020.5	100.0000	0297.5	106.3	53.6
182.0	012.2500	0105.0	034.2	020.2	100.0000	0297.5	106.1	53.6
183.0	012.2500	0104.6	034.2	019.8	100.0000	0297.5	106.0	53.6
184.0	012.2500	0104.1	034.1	019.5	100.0000	0297.5	105.9	53.7
185.0	012.2500	0103.8	034.1	019.2	100.0000	0297.4	105.8	53.7
186.0	012.2500	0103.6	034.0	018.9	100.0000	0297.4	105.7	53.7
187.0	012.2500	0103.3	034.0	018.6	100.0000	0297.4	105.6	53.8
188.0	012.2500	0103.1	033.9	018.3	100.0000	0297.1	105.5	53.8
189.0	012.2500	0102.9	033.9	018.0	100.0000	0297.1	105.5	53.8
190.0	012.2500	0102.5	033.9	017.6	100.0000	0297.1	105.4	53.8
191.0	012.2500	0101.9	033.8	017.3	100.0000	0296.7	105.5	53.8
192.0	012.2500	0101.1	033.6	017.0	100.0000	0296.7	105.5	53.8
193.0	012.2500	0100.3	033.5	016.7	100.0000	0296.7	105.6	53.7
194.0	012.2500	0099.7	033.4	016.4	100.0000	0296.3	105.7	53.7
195.0	012.2500	0099.2	033.3	016.0	100.0000	0296.3	105.7	53.7
196.0	012.2500	0098.9	033.3	015.7	100.0000	0296.3	105.8	53.7
197.0	012.2500	0098.6	033.2	015.4	100.0000	0296.0	105.8	53.7
198.0	012.2500	0098.4	033.2	015.1	100.0000	0296.0	105.9	53.6
199.0	012.2500	0098.1	033.1	014.8	100.0000	0296.0	106.0	53.6
200.0	012.2500	0097.7	033.1	014.5	100.0000	0295.7	106.1	53.6
201.0	012.6025	0097.5	033.2	014.2	100.0000	0295.7	106.0	53.6
202.0	012.9600	0097.3	033.4	013.8	100.0000	0295.7	105.9	53.6
203.0	013.3225	0097.2	033.6	013.5	100.0000	0295.7	105.7	53.7
204.0	013.6900	0097.2	033.9	013.2	100.0000	0295.7	105.6	53.7
205.0	014.0625	0097.2	034.1	012.9	100.0000	0295.7	105.5	53.7
206.0	014.4400	0097.0	034.2	012.5	100.0000	0295.7	105.5	53.7
207.0	014.8225	0096.7	034.4	012.2	100.0000	0295.7	105.5	53.7
208.0	015.2100	0096.1	034.5	011.9	100.0000	0295.7	105.6	53.7
209.0	015.6025	0095.2	034.5	011.5	100.0000	0295.7	105.7	53.7
210.0	016.0000	0094.1	034.5	011.2	100.0000	0295.7	105.9	53.6
211.0	016.4025	0093.0	034.6	010.9	100.0000	0295.7	106.1	53.6
212.0	016.8100	0092.2	034.6	010.6	100.0000	0295.7	106.2	53.5
213.0	017.2225	0091.6	034.7	010.3	100.0000	0295.7	106.4	53.5

* - WIXV SPECIFIED COORDINATES STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A8

* WIXV - SAVANNAH, GA		WWBD - Proposed	
SPECIFIED COORDINATES		Channel = 239C3	
Channel = 238C1		Max ERP = 25 kW	
Max ERP = 100 kW		RCAMSL = 151 M	
RCAMSL = 311.71 M		N. Lat = 33 18 39	
N. Lat = 32 06 18		W. Lng = 81 04 56	
W. Lng = 81 29 17			
Protected		Interfering	
60 dBu		54 dBu	

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
356.0	100.0000	0296.5	072.1	214.8	017.9756	0090.8	075.2	47.5
357.0	100.0000	0296.5	072.1	214.0	017.6532	0091.1	074.5	47.6
358.0	100.0000	0296.4	072.1	213.2	017.3230	0091.6	073.7	47.8
359.0	100.0000	0296.4	072.1	212.4	016.9858	0092.2	073.0	47.9
000.0	100.0000	0296.4	072.1	211.6	016.6421	0092.2	072.4	48.0
001.0	100.0000	0296.4	072.1	210.7	016.2919	0093.0	071.7	48.2
002.0	100.0000	0296.4	072.1	209.8	015.9361	0094.1	071.1	48.3
003.0	100.0000	0296.5	072.1	208.9	015.5754	0095.2	070.5	48.4
004.0	100.0000	0296.5	072.1	208.0	015.2104	0096.1	070.0	48.5
005.0	100.0000	0296.4	072.1	207.0	014.8405	0096.7	069.5	48.6
006.0	100.0000	0296.3	072.1	206.1	014.4674	0097.0	069.1	48.6
007.0	100.0000	0296.1	072.1	205.1	014.0923	0097.2	068.7	48.7
008.0	100.0000	0295.9	072.1	204.1	013.7160	0097.2	068.3	48.6
009.0	100.0000	0295.8	072.1	203.0	013.3394	0097.2	068.0	48.6
010.0	100.0000	0295.7	072.0	202.0	012.9640	0097.3	067.7	48.6
011.0	100.0000	0295.7	072.0	201.0	012.5901	0097.5	067.5	48.5
012.0	100.0000	0295.7	072.0	199.9	012.2500	0097.7	067.3	48.5
013.0	100.0000	0295.7	072.0	198.8	012.2500	0098.1	067.1	48.6
014.0	100.0000	0295.7	072.0	197.8	012.2500	0098.4	067.0	48.6
015.0	100.0000	0296.0	072.1	196.7	012.2500	0098.6	066.9	48.6
016.0	100.0000	0296.3	072.1	195.6	012.2500	0098.9	066.9	48.7
017.0	100.0000	0296.7	072.1	194.6	012.2500	0099.2	066.9	48.7
018.0	100.0000	0297.1	072.2	193.5	012.2500	0100.3	067.0	48.7
019.0	100.0000	0297.4	072.2	192.4	012.2500	0101.1	067.1	48.8
020.0	100.0000	0297.5	072.2	191.3	012.2500	0101.9	067.2	48.8
021.0	100.0000	0297.5	072.2	190.3	012.2500	0102.5	067.4	48.7
022.0	100.0000	0297.7	072.2	189.2	012.2500	0102.9	067.7	48.7
023.0	100.0000	0298.0	072.2	188.2	012.2500	0103.1	067.9	48.6
024.0	100.0000	0298.3	072.3	187.2	012.2500	0103.3	068.3	48.5
025.0	100.0000	0298.5	072.3	186.2	012.2500	0103.6	068.6	48.4
026.0	100.0000	0298.5	072.3	185.2	012.2500	0103.8	069.1	48.3
027.0	100.0000	0298.4	072.3	184.2	012.2500	0104.1	069.5	48.2
028.0	100.0000	0298.5	072.3	183.3	012.2500	0104.6	070.0	48.1
029.0	100.0000	0298.6	072.3	182.3	012.2500	0105.0	070.6	47.9
030.0	100.0000	0298.8	072.3	181.4	012.2500	0105.5	071.1	47.8
031.0	100.0000	0299.1	072.3	180.5	012.2500	0105.5	071.7	47.6
032.0	100.0000	0299.2	072.3	179.7	012.3588	0105.7	072.4	47.5

* - WIXV SPECIFIED COORDINATES STUDIED AT MAXIMUM CLASS C1 FACILITIES

AMENDMENT TO BPH-20030402AEB
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 239C3 - 95.7 MHZ - 25.0 KW
BAMBERG, SOUTH CAROLINA
April 2003

EXHIBIT A9

Predicted contours:

N. Lat. = 33 18 39 - Tabulated Protected and Interfering Contours
W. Lng. = 81 04 56 - WWBD Radio Station, Bamberg, South Carolina

HAAT and 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	**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**	**59.73**	**113.21**
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	**39.7**	**111.3**	**25.0000**	**13.98**	**1.000**	**4.29**	**24.44**	**40.84**	**62.21**	**115.64**
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	25.0000	13.98	1.000	4.24	24.18	40.46	61.76	115.19
160	44.8	106.2	20.2500	13.06	0.900	3.95	22.78	38.38	58.73	109.82
170	44.3	106.7	16.0000	12.04	0.800	3.72	21.62	36.61	56.08	104.91
180	**45.3**	**105.7**	**12.2500**	**10.88**	**0.700**	**3.43**	**20.17**	**34.35**	**52.88**	**99.57**
190	48.5	102.5	12.2500	10.88	0.700	3.38	19.85	33.85	52.31	99.05
200	53.3	97.7	12.2500	10.88	0.700	3.31	19.35	33.07	51.40	98.26
210	56.9	94.1	16.0000	12.04	0.800	3.49	20.27	34.54	53.75	102.79
220	60.4	90.6	20.2500	13.06	0.900	3.65	21.06	35.78	55.82	107.17
225	**60.4**	**90.6**	**22.5625**	**13.53**	**0.950**	**3.76**	**21.61**	**36.63**	**57.10**	**109.58**
230	60.0	91.0	25.0000	13.98	1.000	3.87	22.19	37.52	58.44	112.03
240	61.9	89.1	25.0000	13.98	1.000	3.83	21.96	37.18	58.06	111.70
250	64.2	86.8	25.0000	13.98	1.000	3.78	21.67	36.73	57.57	111.28
260	66.0	85.0	25.0000	13.98	1.000	3.74	21.44	36.39	57.19	110.96
270	**67.0**	**84.0**	**25.0000**	**13.98**	**1.000**	**3.72**	**21.32**	**36.19**	**56.97**	**110.78**
280	69.3	81.7	25.0000	13.98	1.000	3.67	21.02	35.73	56.46	110.36
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	**61.1**	**89.9**	**25.0000**	**13.98**	**1.000**	**3.85**	**22.05**	**37.31**	**58.21**	**111.83**
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

Ave El= 53.73 M HAAT= 97.27 M AMSL= 151 M - Based on 8 cardinal radials