

MINOR CHANGE APPLICATION
MODIFICATION OF BNPFT-20131017AJX
MILLER COMMUNICATIONS, INC.
W235CH FM TRANSLATOR STATION
CH 235D - 94.9 MHz - 0.25 KW
ST. MATTHEWS, SOUTH CAROLINA
December 2014

EXHIBIT C1

Interference Study for W235CH
Using Proposed Site as Reference

REFERENCE		CH# 235D - 94.9 MHz, Pwr= 0.25 kW, HAAT= 136.3 M,				COR= 214.9 M		DISPLAY DATES			
33 40 13.0 N.		Average Protected F(50-50)= 15.0 km						DATA 12-01-14			
80 52 25.0 W.		Omni-directional						SEARCH 12-01-14			
CH CITY	CALL	TYPE STATE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
235D St. Matthews	W235CH!	CP	C SC	165.7 345.8	26.06 BNPFT20131017AJX	33 26 35.0 80 48 16.0	0.250 111	42.5 162	12.4 Miller Communications, Inc	-31.5	-36.3
234C3 Sumter	WWBD	LIC	CX SC	55.2 235.5	74.01 BLH20040112ADC	34 02 56.0 80 12 51.0	8.100 174	58.6 222	39.7 Miller Communications, Inc	-0.5<	10.5
237A South Congaree	WFMV	CP	ZCX SC	321.0 140.9	29.46 BPH20120319ABG	33 52 34.0 81 04 28.0	6.000 80	2.5 160	25.8 Glory Communications, Inc.	12.5	2.5
237A South Congaree	WFMV	APP	ZCX SC	316.4 136.2	31.09 BMPH20140709ADD	33 52 21.0 81 06 22.0	6.000 95	2.6 181	26.6 Glory Communications, Inc.	14.0	3.4
237A South Congaree	WFMV	RSV-A	SC	310.9 130.8	35.28	33 52 40.0 81 09 45.0	6.000 100	2.7 197	27.3 Glory Communications, Inc.	18.1	6.9
232A Forest Acres	WWNQ	LIC	NCX SC	338.0 157.9	39.67 BLH20041208AAN	34 00 04.0 81 02 05.0	2.550 136	2.6 207	29.6 Hometown Columbia, Llc	22.0	9.0
237A South Congaree	WFMV	LIC	ZC SC	308.2 128.0	41.25 BLH20010725AEF	33 53 58.0 81 13 29.0	6.000 100	2.8 213	28.4 Glory Communications, Inc.	24.1	11.8
233A Bowman	WSPX	LIC	CX SC	161.2 341.3	41.09 BLH20040818AAI	33 19 13.0 80 43 52.0	3.500 132	2.6 172	27.6 Glory Communications, Inc.	23.8	12.4
234A Williston	WAAW	LIC	C SC	255.7 75.3	71.79 BLH20040109ACF	33 30 31.0 81 37 27.0	2.550 155	43.8 273	29.0 Wisdom, Llc	13.9	21.5
236C0 Charleston	WSSX-FM	LIC	CN SC	135.1 315.6	136.68 BLH19900924KC	32 47 44.0 79 50 27.0	100.000 305	105.7 306	72.8 Radio License Holding Cbc,	16.1	41.3
235C3 Millen	WHKN	LIC	NCN GA	221.7 41.1	139.01 BLH19920214KC	32 43 57.0 81 51 43.0	14.500 122	103.7 181	36.5 Radio Statesboro, Inc.	20.4	52.9
238A Wedgfield	WIBZ	LIC	CX SC	55.0 235.2	54.15 BLH20020606AAY	33 56 56.0 80 23 34.0	4.400 118	2.7 174	28.4 Miller Communications, Inc	35.6	24.7
288D Columbia	W288CX	CP	C SC	341.1 161.0	39.28 BNPFT20130822AFE	34 00 18.0 81 00 44.0	0.250 103	52.8 173	15.7 Capstar Tx Limited Partner	9.5R	29.8M
236C Charlotte	WNKS	LIC	CX NC	352.3 172.1	189.87 BMLH20140821ABZ	35 21 44.0 81 09 19.0	100.000 470	128.1 707	85.9 Cbs Radio Stations Inc.	45.8	80.0

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd adjacent.

All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt (Y,N,X)

"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

< = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

W235CH - St. Matthews, SC - Proposed
Latitude: 33-40-13 N / Longitude: 080-52-25 W
ERP: 0.25 kW / Channel: 235 / Freq: 94.9 MHz
AMSL Height: 214.9 m

GRAHAM BROCK, INC.
BROADCAST TECHNICAL CONSULTANTS

WWBD - Sumter, SC - BLH20040112ADC
Latitude: 34-02-56 N / Longitude: 080-12-51 W
ERP: 8.10 kW / Channel: 234 / Freq: 94.7 MHz
AMSL Height: 222.0 m

WFMV - South Congaree, SC - BLH20010725AEF
Latitude: 33-53-58 N / Longitude: 081-13-29 W
ERP: 6.00 kW / Channel: 237 / Freq: 95.3 MHz
AMSL Height: 213.0 m

WFMV.C - South Congaree, SC - BPH20120319ABG
Latitude: 33-52-34 N / Longitude: 081-04-28 W
ERP: 6.00 kW / Channel: 237 / Freq: 95.3 MHz
AMSL Height: 159.6 m

WFMV.A - South Congaree, SC - BMPH20140709ADD
Latitude: 33-52-21 N / Longitude: 081-06-22 W
ERP: 6.00 kW / Channel: 237 / Freq: 95.3 MHz
AMSL Height: 181.0 m

WWNQ - Forest Acres, SC - BLH20041208AAN
Latitude: 34-00-04 N / Longitude: 081-02-05 W
ERP: 2.55 kW / Channel: 232 / Freq: 94.3 MHz
AMSL Height: 206.7 m

EXHIBIT C2
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CH 235D - 94.9 MHz 0.25 KW
ST. MATTHEWS, SOUTH CAROLINA
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100 dBu - FCC 50/10
60 dBu - FCC 50/50
54 dBu - FCC 50/10

Scale 1:500,000

0 7 14 21 km

Eutawville
V-Soft Communications LLC ©

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W235CH FM TRANSLATOR STATION
CH 235D - 94.9 MHz - 0.25 KW
ST. MATTHEWS, SOUTH CAROLINA
December 2014

EXHIBIT C3

WWBD - BLH-20040112ADC
Channel = 234C3
Max ERP = 8.1 kW
RCAMSL = 222 M
N. Lat. 34 02 56.0
W. Lng. 80 12 51.0

W235CH - Proposed
Channel = 235D
Max ERP = 0.004 kW
RCAMSL = 214.9 M
N. Lat. 33 40 13.0
W. Lng. 80 52 25.0

Protected
60 dBu

Interfering
54 dBu

Terrain Data: FCC NGDC 30 Sec

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
217.0	008.1000	0182.0	039.9	074.4	000.0040	0132.1	038.4	26.69	
218.0	008.1000	0182.0	039.9	073.6	000.0040	0133.0	038.0	26.93	
219.0	008.1000	0182.0	039.9	072.7	000.0040	0133.9	037.6	27.17	
220.0	008.1000	0182.0	039.9	071.8	000.0040	0134.8	037.2	27.41	
221.0	008.1000	0182.0	039.9	070.9	000.0040	0136.0	036.8	27.65	
222.0	008.1000	0182.0	039.9	070.0	000.0040	0137.1	036.5	27.88	
223.0	008.1000	0182.0	039.9	069.0	000.0040	0138.3	036.2	28.10	
224.0	008.1000	0182.0	039.9	068.0	000.0040	0140.0	035.9	28.34	
225.0	008.1000	0181.9	039.8	067.0	000.0040	0141.9	035.6	28.59	
226.0	008.1000	0181.7	039.8	065.9	000.0040	0143.9	035.4	28.82	
227.0	008.1000	0181.5	039.8	064.8	000.0040	0145.5	035.1	29.02	
228.0	008.1000	0181.3	039.8	063.7	000.0040	0146.1	034.9	29.15	
229.0	008.1000	0181.1	039.8	062.6	000.0040	0146.0	034.8	29.23	
230.0	008.1000	0181.0	039.8	061.5	000.0040	0145.4	034.6	29.26	
231.0	008.1000	0180.8	039.8	060.4	000.0040	0144.6	034.5	29.27	
232.0	008.1000	0180.7	039.7	059.2	000.0040	0144.4	034.4	29.31	
233.0	008.1000	0180.5	039.7	058.1	000.0040	0145.1	034.4	29.38	
234.0	008.1000	0180.4	039.7	056.9	000.0040	0146.6	034.3	29.49	
235.0	008.1000	0180.2	039.7	055.8	000.0040	0148.7	034.3	29.62	
236.0	008.1000	0180.1	039.7	054.6	000.0040	0150.8	034.3	29.74	
237.0	008.1000	0180.0	039.7	053.5	000.0040	0152.5	034.4	29.82	
238.0	008.1000	0179.9	039.7	052.3	000.0040	0154.6	034.4	29.90	
239.0	008.1000	0179.7	039.7	051.2	000.0040	0156.6	034.5	29.97	
240.0	008.1000	0179.6	039.7	050.0	000.0040	0157.4	034.6	29.96	
241.0	008.1000	0179.4	039.6	048.9	000.0040	0156.6	034.8	29.84	
242.0	008.1000	0179.2	039.6	047.8	000.0040	0154.5	034.9	29.64	
243.0	008.1000	0179.1	039.6	046.7	000.0040	0151.6	035.1	29.38	
244.0	008.1000	0179.0	039.6	045.6	000.0040	0148.7	035.3	29.11	
245.0	008.1000	0179.0	039.6	044.6	000.0040	0146.6	035.6	28.88	
246.0	008.1000	0178.8	039.6	043.6	000.0040	0145.6	035.8	28.69	
247.0	008.1000	0178.4	039.5	042.6	000.0040	0145.5	036.1	28.53	
248.0	008.1000	0177.8	039.5	041.6	000.0040	0146.0	036.5	28.40	
249.0	008.1000	0177.1	039.4	040.7	000.0040	0146.5	036.8	28.25	
250.0	008.1000	0176.6	039.4	039.8	000.0040	0146.7	037.2	28.08	
251.0	008.1000	0176.5	039.4	038.9	000.0040	0146.6	037.6	27.90	
252.0	008.1000	0176.5	039.4	038.0	000.0040	0146.3	037.9	27.71	
253.0	008.1000	0176.5	039.4	037.2	000.0040	0145.8	038.3	27.49	
254.0	008.1000	0176.3	039.4	036.4	000.0040	0145.3	038.7	27.27	

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December 2014

EXHIBIT C4

WFMV - BPH-20120319ABG
Channel = 237A
Max ERP = 6 kW
RCAMSL = 159.6 M
N. Lat. 33 52 34.0
W. Lng. 81 04 28.0

W235CH - Proposed
Channel = 235D
Max ERP = 0.004 kW
RCAMSL = 214.9 M
N. Lat. 33 40 13.0
W. Lng. 80 52 25.0

Protected
60 dBu

Interfering
80 dBu

Terrain Data: FCC NGDC 30 Sec

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
123.0	003.2449	0104.9	025.2	015.8	000.0040	0142.4	009.5	50.55	
124.0	003.3948	0103.7	025.3	015.7	000.0040	0142.2	009.0	51.40	
125.0	003.5482	0101.4	025.3	014.6	000.0040	0141.9	008.6	52.19	
126.0	003.7049	0098.5	025.2	012.9	000.0040	0144.2	008.2	53.07	
127.0	003.8650	0095.8	025.1	011.0	000.0040	0146.1	007.9	53.93	
128.0	004.0285	0094.1	025.1	009.6	000.0040	0147.5	007.5	54.91	
129.0	004.1954	0093.4	025.3	008.9	000.0040	0148.2	007.0	56.06	
130.0	004.3657	0093.4	025.5	008.5	000.0040	0148.6	006.5	57.36	
131.0	004.5174	0093.2	025.7	007.7	000.0040	0149.6	006.1	58.71	
132.0	004.6718	0092.7	025.8	006.3	000.0040	0151.0	005.6	60.06	
133.0	004.8287	0092.1	025.9	004.3	000.0040	0151.8	005.2	61.36	
134.0	004.9883	0091.1	026.0	001.4	000.0040	0149.8	004.8	62.42	
135.0	005.1504	0089.6	026.0	357.3	000.0040	0149.6	004.5	63.39	
136.0	005.3151	0087.7	025.9	352.0	000.0040	0151.7	004.3	64.25	
137.0	005.4825	0085.8	025.8	346.2	000.0040	0144.3	004.1	64.47	
138.0	005.6524	0084.3	025.8	340.2	000.0040	0138.7	004.0	64.78	
139.0	005.8249	0083.4	025.8	334.1	000.0040	0136.4	003.8	65.36	
140.0	006.0000	0082.9	025.9	327.5	000.0040	0134.5	003.6	66.02	
141.0	006.0000	0082.5	025.8	320.3	000.0040	0125.8	003.6	65.44	
142.0	006.0000	0082.1	025.8	313.4	000.0040	0129.9	003.7	65.25	
143.0	006.0000	0081.5	025.7	307.1	000.0040	0123.9	003.9	64.21	
144.0	006.0000	0080.5	025.6	301.7	000.0040	0115.2	004.2	62.64	
145.0	006.0000	0079.6	025.4	297.2	000.0040	0114.1	004.5	61.44	
146.0	006.0000	0079.0	025.3	293.0	000.0040	0111.3	004.8	60.23	
147.0	006.0000	0078.8	025.3	289.1	000.0040	0109.4	005.1	59.19	
148.0	006.0000	0078.3	025.2	285.9	000.0040	0111.9	005.4	58.32	
149.0	006.0000	0077.5	025.1	283.6	000.0040	0113.9	005.8	57.26	
150.0	006.0000	0076.4	024.9	281.8	000.0040	0114.9	006.2	56.11	
151.0	006.0000	0075.4	024.8	280.3	000.0040	0115.6	006.7	54.96	
152.0	006.0000	0073.9	024.6	279.5	000.0040	0115.9	007.1	53.73	
153.0	006.0000	0072.2	024.3	279.2	000.0040	0116.0	007.6	52.50	
154.0	006.0000	0070.6	024.1	278.8	000.0040	0116.3	008.1	51.48	
155.0	006.0000	0069.9	024.0	277.8	000.0040	0116.6	008.5	50.66	
156.0	006.0000	0069.8	023.9	276.5	000.0040	0116.7	008.9	49.95	
157.0	006.0000	0069.9	024.0	275.1	000.0040	0117.3	009.3	49.31	
158.0	006.0000	0069.6	023.9	274.2	000.0040	0117.6	009.6	48.59	
159.0	006.0000	0068.3	023.7	274.2	000.0040	0117.6	010.1	47.76	
160.0	006.0000	0066.4	023.4	274.7	000.0040	0117.4	010.6	46.88	

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December 2014

EXHIBIT C5

WFMV - BMPH-20140709ADD
Channel = 237A
Max ERP = 6 kW
RCAMSL = 181 M
N. Lat. 33 52 21.0
W. Lng. 81 06 22.0

W235CH - Proposed
Channel = 235D
Max ERP = 0.004 kW
RCAMSL = 214.9 M
N. Lat. 33 40 13.0
W. Lng. 80 52 25.0

Protected
60 dBu

Interfering
80 dBu

Terrain Data: FCC NGDC 30 Sec

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
117.0	004.2588	0117.2	028.1	020.3	000.0040	0152.5	010.3	49.73	
118.0	004.4479	0116.0	028.3	020.8	000.0040	0152.9	009.8	50.65	
119.0	004.6411	0115.2	028.5	021.5	000.0040	0153.1	009.3	51.61	
120.0	004.8384	0114.7	028.7	022.4	000.0040	0152.8	008.8	52.58	
121.0	004.9490	0114.3	028.8	022.7	000.0040	0152.7	008.3	53.58	
122.0	005.0608	0113.7	028.9	022.7	000.0040	0152.7	007.8	54.63	
123.0	005.1738	0112.6	028.9	022.2	000.0040	0153.0	007.3	55.80	
124.0	005.2881	0110.8	028.8	020.8	000.0040	0152.9	006.8	57.00	
125.0	005.4036	0108.4	028.7	018.5	000.0040	0148.7	006.3	57.95	
126.0	005.5204	0105.7	028.5	015.2	000.0040	0142.0	005.9	58.71	
127.0	005.6384	0102.9	028.3	011.2	000.0040	0145.9	005.5	60.00	
128.0	005.7577	0100.2	028.1	006.8	000.0040	0150.8	005.2	61.26	
129.0	005.8782	0098.0	027.9	002.1	000.0040	0150.3	004.9	62.18	
130.0	006.0000	0096.3	027.8	357.3	000.0040	0149.6	004.6	63.09	
131.0	006.0000	0094.9	027.6	351.3	000.0040	0151.6	004.4	63.87	
132.0	006.0000	0094.3	027.5	345.4	000.0040	0142.6	004.2	64.15	
133.0	006.0000	0093.7	027.4	339.0	000.0040	0138.2	004.0	64.53	
134.0	006.0000	0092.3	027.2	331.7	000.0040	0138.8	004.0	64.58	
135.0	006.0000	0090.3	027.0	324.3	000.0040	0129.1	004.2	63.41	
136.0	006.0000	0088.2	026.7	317.8	000.0040	0126.3	004.4	62.36	
137.0	006.0000	0087.0	026.5	312.0	000.0040	0129.3	004.6	61.91	
138.0	006.0000	0086.8	026.5	306.4	000.0040	0123.5	004.7	61.25	
139.0	006.0000	0087.0	026.5	301.0	000.0040	0113.9	004.8	60.36	
140.0	006.0000	0087.1	026.5	295.8	000.0040	0114.1	005.0	59.89	
141.0	006.0000	0086.9	026.5	291.4	000.0040	0109.9	005.2	58.84	
142.0	006.0000	0086.3	026.4	287.7	000.0040	0110.4	005.5	57.88	
143.0	006.0000	0085.5	026.3	284.6	000.0040	0113.1	005.9	56.99	
144.0	006.0000	0084.8	026.2	282.0	000.0040	0114.8	006.3	56.03	
145.0	006.0000	0084.3	026.1	279.5	000.0040	0115.9	006.6	55.09	
146.0	006.0000	0083.9	026.0	277.3	000.0040	0116.7	007.0	54.14	
147.0	006.0000	0083.4	026.0	275.3	000.0040	0117.2	007.4	53.19	
148.0	006.0000	0082.7	025.9	274.0	000.0040	0117.7	007.8	52.21	
149.0	006.0000	0081.8	025.7	272.9	000.0040	0118.2	008.3	51.31	
150.0	006.0000	0080.9	025.6	272.0	000.0040	0118.7	008.7	50.44	
151.0	006.0000	0080.2	025.5	271.1	000.0040	0119.0	009.2	49.61	
152.0	006.0000	0079.4	025.4	270.4	000.0040	0119.2	009.6	48.80	
153.0	006.0000	0078.0	025.2	270.2	000.0040	0119.3	010.1	47.92	

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EXHIBIT C6

WFMV - BLH-20010725AEF
Channel = 237A
Max ERP = 6 kW
RCAMSL = 213 M
N. Lat. 33 53 58.0
W. Lng. 81 13 29.0

W235CH - Proposed
Channel = 235D
Max ERP = 0.004 kW
RCAMSL = 214.9 M
N. Lat. 33 40 13.0
W. Lng. 80 52 25.0

Protected
60 dBu

Interfering
80 dBu

Terrain Data: FCC NGDC 30 Sec

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
110.0	006.0000	0120.3	030.8	346.7	000.0040	0145.3	015.3	42.52	
111.0	006.0000	0117.8	030.5	344.7	000.0040	0141.4	015.0	42.50	
112.0	006.0000	0114.8	030.1	342.4	000.0040	0139.3	014.8	42.44	
113.0	006.0000	0112.6	029.9	340.3	000.0040	0138.7	014.6	42.65	
114.0	006.0000	0111.2	029.7	338.4	000.0040	0137.7	014.4	42.88	
115.0	006.0000	0110.3	029.6	336.5	000.0040	0136.0	014.1	43.08	
116.0	006.0000	0108.9	029.4	334.5	000.0040	0136.0	013.9	43.32	
117.0	006.0000	0107.0	029.2	332.2	000.0040	0138.5	013.8	43.64	
118.0	006.0000	0105.0	028.9	329.8	000.0040	0139.0	013.7	43.75	
119.0	006.0000	0103.2	028.7	327.5	000.0040	0134.5	013.7	43.52	
120.0	006.0000	0102.0	028.6	325.4	000.0040	0130.4	013.6	43.35	
121.0	006.0000	0101.3	028.5	323.3	000.0040	0127.9	013.5	43.32	
122.0	006.0000	0101.3	028.5	321.3	000.0040	0126.1	013.3	43.42	
123.0	006.0000	0101.5	028.5	319.3	000.0040	0125.8	013.1	43.65	
124.0	006.0000	0101.9	028.5	317.2	000.0040	0126.7	012.9	43.94	
125.0	006.0000	0102.1	028.6	315.0	000.0040	0129.1	012.8	44.27	
126.0	006.0000	0102.1	028.6	312.8	000.0040	0129.8	012.7	44.42	
127.0	006.0000	0101.5	028.5	310.6	000.0040	0128.0	012.8	44.25	
128.0	006.0000	0100.5	028.4	308.3	000.0040	0125.0	012.9	43.90	
129.0	006.0000	0099.1	028.2	306.2	000.0040	0123.4	013.1	43.51	
130.0	006.0000	0097.5	028.0	304.1	000.0040	0120.8	013.3	43.00	
131.0	006.0000	0096.2	027.8	302.2	000.0040	0116.1	013.6	42.36	
132.0	006.0000	0095.5	027.7	300.3	000.0040	0113.3	013.8	41.92	
133.0	006.0000	0095.1	027.6	298.4	000.0040	0113.6	013.9	41.75	
134.0	006.0000	0094.7	027.6	296.5	000.0040	0114.2	014.1	41.57	
135.0	006.0000	0094.1	027.5	294.8	000.0040	0113.3	014.4	41.22	
136.0	006.0000	0093.4	027.4	293.2	000.0040	0111.5	014.6	40.78	
137.0	006.0000	0092.8	027.3	291.6	000.0040	0110.1	014.9	40.37	
138.0	006.0000	0092.3	027.2	290.1	000.0040	0109.4	015.2	40.19	
139.0	006.0000	0091.9	027.2	288.7	000.0040	0109.6	015.5	39.96	
140.0	006.0000	0091.5	027.1	287.3	000.0040	0110.7	015.7	39.80	
141.0	006.0000	0091.2	027.1	286.0	000.0040	0111.8	016.1	39.63	
142.0	006.0000	0090.6	027.0	284.8	000.0040	0112.9	016.4	39.43	
143.0	006.0000	0089.8	026.9	283.8	000.0040	0113.8	016.8	39.18	
144.0	006.0000	0088.7	026.7	282.9	000.0040	0114.2	017.2	38.86	
145.0	006.0000	0087.4	026.5	282.2	000.0040	0114.6	017.6	38.52	

MINOR CHANGE APPLICATION
MODIFICATION OF BNPFT-20131017AJX
MILLER COMMUNICATIONS, INC.
W235CH FM TRANSLATOR STATION
CH 235D - 94.9 MHz - 0.25 KW
ST. MATTHEWS, SOUTH CAROLINA
December 2014

EXHIBIT C7

WWNQ - BLH-20041208AAN
Channel = 232A
Max ERP = 2.55 kW
RCAMSL = 206.7 M
N. Lat. 34 00 04.0
W. Lng. 81 02 05.0

W235CH - Proposed
Channel = 235D
Max ERP = 0.004 kW
RCAMSL = 214.9 M
N. Lat. 33 40 13.0
W. Lng. 80 52 25.0

Protected
60 dBu

Interfering
100 dBu

Terrain Data: FCC NGDC 30 Sec

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
139.0	002.5500	0166.9	029.2	016.3	000.0040	0143.2	015.3	42.39	
140.0	002.5500	0168.1	029.3	015.6	000.0040	0142.2	014.8	42.64	
141.0	002.5500	0168.7	029.4	014.6	000.0040	0142.0	014.4	43.14	
142.0	002.5500	0168.9	029.4	013.3	000.0040	0143.5	014.0	43.74	
143.0	002.5500	0169.0	029.4	012.0	000.0040	0145.3	013.6	44.35	
144.0	002.5500	0169.2	029.4	010.6	000.0040	0146.5	013.2	44.95	
145.0	002.5500	0169.5	029.5	009.0	000.0040	0148.0	012.8	45.58	
146.0	002.5500	0169.9	029.5	007.4	000.0040	0150.0	012.4	46.23	
147.0	002.5500	0170.2	029.5	005.7	000.0040	0151.4	012.1	46.84	
148.0	002.5500	0170.5	029.5	003.7	000.0040	0151.6	011.7	47.35	
149.0	002.5500	0170.7	029.6	001.7	000.0040	0149.9	011.4	47.71	
150.0	002.5500	0170.8	029.6	359.5	000.0040	0148.3	011.2	48.04	
151.0	002.5500	0170.9	029.6	357.1	000.0040	0149.8	010.9	48.54	
152.0	002.5500	0171.0	029.6	354.6	000.0040	0151.1	010.7	48.98	
153.0	002.5500	0171.0	029.6	352.0	000.0040	0151.7	010.5	49.34	
154.0	002.5500	0171.0	029.6	349.3	000.0040	0150.3	010.4	49.51	
155.0	002.5500	0171.0	029.6	346.5	000.0040	0144.9	010.2	49.36	
156.0	002.5500	0171.1	029.6	343.7	000.0040	0140.4	010.2	49.22	
157.0	002.5500	0171.2	029.6	340.8	000.0040	0138.8	010.1	49.21	
158.0	002.5500	0171.1	029.6	337.8	000.0040	0137.2	010.1	49.13	
159.0	002.5500	0171.0	029.6	334.9	000.0040	0135.7	010.1	48.97	
160.0	002.5500	0170.9	029.6	332.0	000.0040	0138.6	010.2	49.06	
161.0	002.5500	0170.9	029.6	329.2	000.0040	0138.1	010.3	48.86	
162.0	002.5500	0170.9	029.6	326.4	000.0040	0132.0	010.4	48.24	
163.0	002.5500	0171.1	029.6	323.7	000.0040	0128.3	010.5	47.74	
164.0	002.5500	0171.3	029.6	321.0	000.0040	0126.0	010.7	47.30	
165.0	002.5500	0171.6	029.6	318.5	000.0040	0126.0	010.9	46.97	
166.0	002.5500	0171.9	029.7	316.0	000.0040	0127.9	011.1	46.74	
167.0	002.5500	0172.2	029.7	313.7	000.0040	0129.9	011.4	46.47	
168.0	002.5500	0172.1	029.7	311.6	000.0040	0129.0	011.7	45.93	
169.0	002.5500	0171.3	029.6	309.9	000.0040	0127.1	012.0	45.24	
170.0	002.5500	0170.4	029.5	308.3	000.0040	0125.0	012.4	44.52	
171.0	002.5500	0169.6	029.5	306.8	000.0040	0123.7	012.8	43.88	
172.0	002.5500	0168.9	029.4	305.3	000.0040	0122.7	013.2	43.26	
173.0	002.5500	0168.2	029.4	304.1	000.0040	0120.7	013.7	42.58	
174.0	002.5500	0167.1	029.3	303.0	000.0040	0118.0	014.1	41.85	
175.0	002.5500	0165.4	029.1	302.2	000.0040	0116.1	014.6	41.15	

MINOR CHANGE APPLICATION
MODIFICATION OF BNPFT-20131017AJX
MILLER COMMUNICATIONS, INC.
W235CH FM TRANSLATOR STATION
CH 235D - 94.9 MHz - 0.25 KW
ST. MATTHEWS, SOUTH CAROLINA
December 2014

EXHIBIT C8

North Latitude: 33° 40' 13" - Tabulated Protected and Interfering Contour Data
West Longitude: 80° 52' 25" - W235CH FM Translator - St. Matthews, South Carolina

HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC

Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	60-F5	54-F1	40-F1
000	66.2	148.7	0.2500	-6.02	1.000	1.11	15.81	23.75	51.63
010	67.9	147.1	0.2500	-6.02	1.000	1.11	15.71	23.60	51.40
020	62.8	152.1	0.2500	-6.02	1.000	1.11	16.03	24.04	52.08
030	68.4	146.5	0.2500	-6.02	1.000	1.11	15.67	23.55	51.32
040	68.2	146.7	0.2500	-6.02	1.000	1.11	15.68	23.57	51.36
050	57.5	157.4	0.2500	-6.02	1.000	1.11	16.37	24.49	52.79
060	70.4	144.5	0.2500	-6.02	1.000	1.11	15.54	23.38	51.05
070	77.8	137.1	0.2500	-6.02	1.000	1.11	15.07	22.73	50.06
080	83.1	131.8	0.2500	-6.02	1.000	1.11	14.75	22.26	49.33
090	75.6	139.3	0.2500	-6.02	1.000	1.11	15.21	22.92	50.35
100	77.0	138.0	0.2500	-6.02	1.000	1.11	15.13	22.80	50.17
110	78.2	136.7	0.2500	-6.02	1.000	1.11	15.05	22.69	49.99
120	82.5	132.4	0.2500	-6.02	1.000	1.11	14.79	22.31	49.41
130	79.2	135.7	0.2500	-6.02	1.000	1.11	14.99	22.60	49.86
140	79.6	135.4	0.2500	-6.02	1.000	1.11	14.96	22.57	49.81
150	79.2	135.7	0.2500	-6.02	1.000	1.11	14.99	22.61	49.87
160	82.5	132.5	0.2500	-6.02	1.000	1.11	14.79	22.32	49.42
170	74.3	140.6	0.2500	-6.02	1.000	1.11	15.29	23.04	50.53
180	62.9	152.0	0.2500	-6.02	1.000	1.11	16.03	24.04	52.07
190	73.1	141.9	0.2500	-6.02	1.000	1.11	15.37	23.15	50.70
200	76.6	138.4	0.2500	-6.02	1.000	1.11	15.15	22.84	50.22
210	77.7	137.2	0.2500	-6.02	1.000	1.11	15.08	22.73	50.06
220	79.3	135.6	0.2500	-6.02	1.000	1.11	14.98	22.59	49.84
230	84.4	130.5	0.2500	-6.02	1.000	1.11	14.67	22.15	49.15
240	87.6	127.3	0.2500	-6.02	1.000	1.11	14.48	21.87	48.71
250	93.0	121.9	0.2500	-6.02	1.000	1.11	14.18	21.40	47.96
260	93.4	121.5	0.2500	-6.02	1.000	1.11	14.15	21.36	47.91
270	95.5	119.4	0.2500	-6.02	1.000	1.11	14.03	21.18	47.61
280	99.1	115.8	0.2500	-6.02	1.000	1.11	13.83	20.84	47.07
290	105.5	109.4	0.2500	-6.02	1.000	1.11	13.44	20.21	46.00
300	101.7	113.2	0.2500	-6.02	1.000	1.11	13.68	20.60	46.66
310	87.6	127.3	0.2500	-6.02	1.000	1.11	14.48	21.87	48.71
320	89.1	125.8	0.2500	-6.02	1.000	1.11	14.40	21.73	48.50
330	75.8	139.1	0.2500	-6.02	1.000	1.11	15.20	22.90	50.32
340	76.2	138.7	0.2500	-6.02	1.000	1.11	15.17	22.87	50.27
350	63.9	151.0	0.2500	-6.02	1.000	1.11	15.96	23.94	51.93

AMSL= 214.92 M