

MINOR CHANGE APPLICATION
GULF COAST COMMUNITY COLLEGE
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100.0 kW - ND
PANAMA CITY, FLORIDA
February 2006

EXHIBIT A1

Non-Commercial Allocation Analysis & §73.509 Study

Due to its operating channel, WKGC-FM could potentially impact other authorized or proposed non-commercial stations operating on co- or adjacent FM channels. The detailed list of stations reviewed as potentially impacted by Channel 214C1A at Panama City, Florida is shown on Exhibit A2. The four closest stations that were reviewed are WFSL, Channel 214A, Thomasville, Georgia; WJWV, Channel 215C1, Fort Gaines, Georgia; WAKJ (construction permit - BMPED-20050225AAX), Channel 217A, Defuniak Springs, Florida and WJED, Channel 216A, Dogwood Lakes Estates, Florida. The provisions of §73.509 of the rules are met by specifying less than maximum Class C1 facilities.¹

§73.509 Analysis

Exhibit A3 specifically demonstrates that there will be no prohibited overlap between the proposed WKGC-FM facility and WFSL, WJWV, WAKJ(CP) or WJED. Attached as Exhibits A4 through A11 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed WKGC-FM and WFSL, WJWV, WAKJ(CP) and

1) The remainder of the stations listed on Exhibit A2 were reviewed and found to be in compliance with §73.509 of the rules.

WJED. Further, attached as Exhibit A12 are the tabulated and protected contours of the proposed WKGC-FM facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

Commercial & I.F. Spacing Requirements

The proposed WKGC facility meets the Commission's minimum distance separation requirements to all commercial FM channels. The nearest station operating on a frequency either 53 or 54 channels removed from this proposal is the allocation reservation for WXSX, Channel 268C1, Quincy, Florida. WXSX's reservation is located on a bearing of 96.4° at a distance of 117.64 kilometers from the proposed WKGC-FM. WXSX must be a minimum of 34.0 kilometers from the WKGC-FM site. WKGC-FM is located more than 83 kilometers farther than the required distance. Therefore, this proposal does not impact any intermediate frequency station.

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EXHIBIT A2

Interference Analysis for WKGC-FM, Panama City, Florida
Using Proposed Site as Reference

REFERENCE		CH# 214C1- 90.7 MHz, Pwr= 100 kW, HAAT=108.6M, COR= 115 M								DISPLAY DATES	
30 17 45 N.		Average Protected F(50-50)= 52.4 km								DATA	01-27-06
85 39 42 W.		Ave. F(50-10) 40 dBu= 147.9 54 dBu= 81.8 100 dBu= 6.1								SEARCH	01-27-06
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*	
214C1 Panama City	WKGC FM	LIC FL	CN	245.0 64.9	20.46 BLED19850722KP	30 13 05 85 51 16	100.000 107	107 147.6	52.1 Gulf Coast Community Colle	-180.61*	-180.64*
214A Thomasville	WFSL	LIC GA	CX	69.1 249.9	171.89 BLED20030206ACF	30 50 12 83 58 57	0.250 44	110 28.5	8.6 Florida State University B	90.75	15.22
215C1 Fort Gaines	WJWV	LIC GA	DCN	22.2 202.5	156.99 BLED19930305KB	31 36 16 85 02 02	83.291 109	166 79.1	50.9 Georgia Public Telecommuni	27.35	26.12
217A Defuniak Springs	WAKJ.C	CP FL	CX	313.4 133.1	63.07 BMPED20050225AAX	30 41 05 86 08 28	1.200 79	116 1.6	17.1 First Baptist Church, Inc.	10.04	40.01
216A Dogwood Lakes Estat	WJED	LIC FL	CN	348.5 168.4	63.79 BLED19920211KC	30 51 34 85 47 45	0.700 60	86 1.6	13.0 Bethany Bible College	11.78	45.04
217A Defuniak Springs	WAKJ	LIC FL	CN	319.2 139.0	65.01 BLED19961031KB	30 44 18 86 06 22	0.300 66	111 1.2	11.1 First Baptist Church, Inc.	12.51	48.02
214C1 Montgomery	WVAS	LIC AL	CN	345.5 165.2	237.30 BLED19920401KA	32 21 58 86 17 40	80.000 107	163 142.2	50.2 Alabama State University (44.65	41.15
214A Albany	WWXC	LIC GA	CX	39.4 220.1	194.87 BLED20011121AAQ	31 38 42 84 21 15	5.500 109	172 86.8	28.9 Lamad Ministries, Inc.	56.76	19.20
0623C Thomasville	WCTV	LI GA	HY	75.4 256.3	170.39 BLCT19870630KF	30 40 13 83 56 26	97.700 619	667 32.5	129.3 Gray Television Licensee,	187.0R	-16.6M*
268C1 Quincy	WXSR	RSV FL	N	96.4 277.0	117.64	30 10 22 84 26 52	100.000 297	309 85.6	72.1 Clear Channel Broadcasting	34.0R	83.6M

ERP and HAAT on direct-line with reference station.
* affixed to TV6 Margin= no direct-line contour overlap.
**"affixed to 'IN' or 'Out' values = site inside protected contour.

WKGC-FM

Panama City FL
 Latitude: 30-17-45 N
 Longitude: 085-39-42 W
 ERP: 100.00 kW
 Channel: 214 90.7 MHz
 AMSL Height: 115.2 m
 Horiz. Pattern: Omni

WJED

Dogwood Lakes Estat FL
 BLED19920211KC
 Latitude: 30-51-34 N
 Longitude: 085-47-45 W
 ERP: 0.70 kW
 Channel: 216 91.1 MHz
 AMSL Height: 86.0 m
 Horiz. Pattern: Omni

WAKJ.C

Defuniak Springs FL
 BMPED20050225AAX
 Latitude: 30-41-05 N
 Longitude: 086-08-28 W
 ERP: 1.20 kW
 Channel: 217 91.3 MHz
 AMSL Height: 116.0 m
 Horiz. Pattern: Omni

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

- 100 dBu - FCC 50/10
- 60 dBu - FCC 50/50
- 54 dBu - FCC 50/10
- 40 dBu - FCC 50/10

WJWV

Fort Gaines GA
 BLED19930305KB
 Latitude: 31-36-16 N
 Longitude: 085-02-02 W
 ERP: 85.00 kW
 Channel: 215 90.9 MHz
 AMSL Height: 166.0 m
 Horiz. Pattern: Directional

WFSL

Thomasville GA
 BLED20030206ACF
 Latitude: 30-50-12 N
 Longitude: 083-58-57 W
 ERP: 0.25 kW
 Channel: 214 90.7 MHz
 AMSL Height: 110.0 m
 Horiz. Pattern: Omni

EXHIBIT A3
MINOR CHANGE APPLICATION
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100 kW - ND
PANAMA CITY, FLORIDA
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Scale 1:1,500,000



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EXHIBIT A4

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

WFSL - BLED-20030206ACF
Channel = 214A
Max ERP = 0.25 kW
RCAMSL = 110 M
N. Lat = 30 50 12
W. Lng = 83 58 57

Protected
60 dBu

Interfering
40 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
053.0	100.0000	0107.3	052.2	256.8	000.2500	0046.3	122.5	16.5
054.0	100.0000	0107.4	052.2	256.4	000.2500	0045.5	122.2	16.5
055.0	100.0000	0107.5	052.2	256.0	000.2500	0045.5	121.8	16.5
056.0	100.0000	0107.7	052.3	255.6	000.2500	0045.5	121.5	16.6
057.0	100.0000	0107.8	052.3	255.2	000.2500	0045.1	121.2	16.6
058.0	100.0000	0107.9	052.3	254.8	000.2500	0045.1	120.9	16.7
059.0	100.0000	0108.1	052.3	254.4	000.2500	0044.8	120.6	16.7
060.0	100.0000	0108.3	052.4	253.9	000.2500	0044.8	120.4	16.8
061.0	100.0000	0108.6	052.4	253.5	000.2500	0044.8	120.1	16.8
062.0	100.0000	0108.9	052.5	253.1	000.2500	0044.5	119.9	16.8
063.0	100.0000	0109.3	052.5	252.7	000.2500	0044.5	119.7	16.9
064.0	100.0000	0109.5	052.6	252.2	000.2500	0044.1	119.5	16.9
065.0	100.0000	0109.6	052.6	251.8	000.2500	0044.1	119.4	16.9
066.0	100.0000	0109.7	052.6	251.4	000.2500	0043.8	119.3	16.9
067.0	100.0000	0109.8	052.6	250.9	000.2500	0043.8	119.2	16.9
068.0	100.0000	0110.0	052.7	250.5	000.2500	0043.6	119.1	16.9
069.0	100.0000	0110.2	052.7	250.0	000.2500	0043.6	119.1	17.0
070.0	100.0000	0110.3	052.7	249.6	000.2500	0043.6	119.1	17.0
071.0	100.0000	0110.3	052.7	249.1	000.2500	0043.6	119.1	17.0
072.0	100.0000	0110.3	052.7	248.7	000.2500	0043.6	119.1	16.9
073.0	100.0000	0110.2	052.7	248.3	000.2500	0043.8	119.2	16.9
074.0	100.0000	0110.1	052.7	247.8	000.2500	0043.8	119.3	16.9
075.0	100.0000	0110.2	052.7	247.4	000.2500	0044.3	119.4	16.9
076.0	100.0000	0110.3	052.7	246.9	000.2500	0044.3	119.6	16.9
077.0	100.0000	0110.4	052.7	246.5	000.2500	0044.8	119.7	16.9
078.0	100.0000	0110.5	052.7	246.1	000.2500	0044.8	119.9	16.9
079.0	100.0000	0110.4	052.7	245.6	000.2500	0044.8	120.1	16.8
080.0	100.0000	0110.4	052.7	245.2	000.2500	0045.2	120.3	16.8
081.0	100.0000	0110.1	052.7	244.8	000.2500	0045.2	120.6	16.7
082.0	100.0000	0109.7	052.6	244.4	000.2500	0045.2	121.0	16.7
083.0	100.0000	0109.3	052.5	244.0	000.2500	0045.2	121.3	16.6
084.0	100.0000	0109.0	052.5	243.6	000.2500	0045.2	121.7	16.5
085.0	100.0000	0108.9	052.5	243.2	000.2500	0044.7	122.1	16.5

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EXHIBIT A5

WFSL - BLED-20030206ACF
Channel = 214A
Max ERP = 0.25 kW
RCAMSL = 110 M
N. Lat = 30 50 12
W. Lng = 83 58 57

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

Protected
60 dBu

Interfering
40 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
257.0	000.2500	0046.3	008.9	068.7	100.0000	0110.2	163.1	37.5
258.0	000.2500	0047.8	009.0	068.6	100.0000	0110.2	163.0	37.5
259.0	000.2500	0049.5	009.2	068.6	100.0000	0110.2	162.8	37.5
260.0	000.2500	0051.1	009.4	068.5	100.0000	0110.0	162.7	37.5
261.0	000.2500	0052.6	009.5	068.4	100.0000	0110.0	162.6	37.6
262.0	000.2500	0053.8	009.6	068.4	100.0000	0110.0	162.5	37.6
263.0	000.2500	0054.7	009.7	068.3	100.0000	0110.0	162.4	37.6
264.0	000.2500	0055.7	009.8	068.2	100.0000	0110.0	162.4	37.6
265.0	000.2500	0056.6	009.9	068.2	100.0000	0110.0	162.4	37.6
266.0	000.2500	0057.2	009.9	068.1	100.0000	0110.0	162.4	37.6
267.0	000.2500	0057.7	010.0	068.0	100.0000	0110.0	162.4	37.6
268.0	000.2500	0058.2	010.0	068.0	100.0000	0110.0	162.4	37.6
269.0	000.2500	0058.3	010.0	067.9	100.0000	0110.0	162.5	37.6
270.0	000.2500	0058.1	010.0	067.9	100.0000	0110.0	162.5	37.6
271.0	000.2500	0057.9	010.0	067.8	100.0000	0110.0	162.6	37.5
272.0	000.2500	0057.8	010.0	067.7	100.0000	0110.0	162.7	37.5
273.0	000.2500	0057.9	010.0	067.7	100.0000	0110.0	162.7	37.5
274.0	000.2500	0058.1	010.0	067.6	100.0000	0110.0	162.8	37.5
275.0	000.2500	0057.8	010.0	067.6	100.0000	0110.0	162.9	37.5
276.0	000.2500	0057.4	010.0	067.5	100.0000	0110.0	163.0	37.5

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EXHIBIT A6

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

WJWV - BLED-19930305KB
Channel = 215C1
Max ERP = 85 kW
RCAMSL = 166 M
N. Lat = 31 36 16
W. Lng = 85 02 02

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)
016.0	100.0000	0097.6	050.4	205.5	081.3335	0103.0	107.0	46.5
017.0	100.0000	0097.7	050.4	205.0	081.6434	0103.0	106.8	46.5
018.0	100.0000	0097.7	050.4	204.5	081.9564	0103.0	106.7	46.6
019.0	100.0000	0097.5	050.4	204.0	082.2723	0105.1	106.7	46.7
020.0	100.0000	0097.4	050.4	203.6	082.5880	0105.1	106.6	46.7
021.0	100.0000	0097.8	050.4	203.1	082.9040	0107.7	106.5	46.8
022.0	100.0000	0098.5	050.6	202.6	083.2221	0107.7	106.4	46.9
023.0	100.0000	0098.9	050.7	202.2	083.5431	0111.1	106.3	47.0
024.0	100.0000	0098.8	050.7	201.7	083.8644	0111.1	106.3	47.0
025.0	100.0000	0098.4	050.6	201.2	084.1836	0114.6	106.5	47.2
026.0	100.0000	0098.0	050.5	200.7	084.5017	0114.6	106.6	47.1
027.0	100.0000	0098.0	050.5	200.3	084.8212	0117.8	106.7	47.2
028.0	100.0000	0098.3	050.5	199.8	084.7505	0117.8	106.8	47.2
029.0	100.0000	0098.5	050.6	199.3	084.1926	0120.1	106.9	47.3
030.0	100.0000	0098.6	050.6	198.9	083.6398	0120.1	107.0	47.2
031.0	100.0000	0098.8	050.6	198.4	083.0908	0121.5	107.1	47.2
032.0	100.0000	0099.1	050.7	197.9	082.5426	0121.5	107.3	47.1
033.0	100.0000	0099.5	050.8	197.5	081.9956	0122.4	107.4	47.1
034.0	100.0000	0100.0	050.9	197.0	081.4493	0122.4	107.6	47.0
035.0	100.0000	0100.6	051.0	196.5	080.9043	0122.4	107.8	47.0
036.0	100.0000	0101.1	051.1	196.1	080.3668	0123.4	108.0	46.9
037.0	100.0000	0101.5	051.2	195.6	079.8400	0123.4	108.2	46.9
038.0	100.0000	0101.9	051.2	195.1	079.3209	0124.9	108.5	46.8
039.0	100.0000	0102.4	051.3	194.7	078.8027	0124.9	108.8	46.7
040.0	100.0000	0103.1	051.4	194.2	078.2828	0126.7	109.0	46.7
041.0	100.0000	0103.9	051.6	193.8	077.7647	0126.7	109.3	46.6
042.0	100.0000	0104.6	051.7	193.3	077.2520	0128.6	109.6	46.6
043.0	100.0000	0105.3	051.8	192.9	076.7548	0128.6	109.9	46.5

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EXHIBIT A7

WJWV - BLED-19930305KB
Channel = 215C1
Max ERP = 85 kW
RCAMSL = 166 M
N. Lat = 31 36 16
W. Lng = 85 02 02

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

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)
183.0	058.8390	0110.6	048.0	030.4	100.0000	0098.6	113.0	46.1
184.0	060.8359	0114.1	048.9	030.2	100.0000	0098.6	111.8	46.3
185.0	062.8660	0118.0	049.8	030.0	100.0000	0098.6	110.6	46.5
186.0	064.9295	0121.3	050.5	029.8	100.0000	0098.6	109.5	46.7
187.0	067.0262	0125.0	051.3	029.5	100.0000	0098.6	108.4	47.0
188.0	069.1563	0127.6	052.0	029.2	100.0000	0098.5	107.5	47.1
189.0	071.3198	0129.2	052.5	028.9	100.0000	0098.5	106.7	47.3
190.0	073.5165	0130.1	052.9	028.5	100.0000	0098.3	106.0	47.4
191.0	074.6274	0130.5	053.1	028.0	100.0000	0098.3	105.5	47.5
192.0	075.7466	0130.1	053.2	027.6	100.0000	0098.3	105.2	47.6
193.0	076.8741	0128.6	053.1	027.1	100.0000	0098.0	105.0	47.6
194.0	078.0099	0126.7	053.0	026.6	100.0000	0098.0	105.0	47.6
195.0	079.1541	0124.9	052.8	026.1	100.0000	0098.0	104.9	47.7
196.0	080.3066	0123.4	052.8	025.6	100.0000	0098.0	104.8	47.7
197.0	081.4675	0122.4	052.7	025.1	100.0000	0098.4	104.7	47.7
198.0	082.6367	0121.5	052.7	024.6	100.0000	0098.4	104.5	47.7
199.0	083.8142	0120.1	052.7	024.1	100.0000	0098.8	104.5	47.8
200.0	085.0000	0117.8	052.5	023.6	100.0000	0098.8	104.7	47.7
201.0	084.3214	0114.6	051.9	023.0	100.0000	0098.9	105.2	47.6
202.0	083.6454	0111.1	051.2	022.5	100.0000	0098.9	105.8	47.5
203.0	082.9722	0107.7	050.6	022.1	100.0000	0098.5	106.4	47.4
204.0	082.3018	0105.1	050.1	021.6	100.0000	0098.5	107.0	47.2
205.0	081.6340	0103.0	049.6	021.2	100.0000	0097.8	107.5	47.1
206.0	080.9690	0100.5	049.1	020.7	100.0000	0097.8	108.1	47.0
207.0	080.3066	0097.5	048.4	020.3	100.0000	0097.4	108.8	46.8
208.0	079.6470	0094.5	047.8	019.9	100.0000	0097.4	109.6	46.7
209.0	078.9902	0092.5	047.3	019.5	100.0000	0097.4	110.2	46.6
210.0	078.3360	0091.4	047.0	019.1	100.0000	0097.5	110.6	46.5
211.0	077.5221	0090.6	046.7	018.8	100.0000	0097.5	111.0	46.4
212.0	076.7125	0089.6	046.5	018.4	100.0000	0097.7	111.5	46.3
213.0	075.9071	0088.5	046.2	018.0	100.0000	0097.7	112.0	46.3
214.0	075.1060	0087.7	045.9	017.7	100.0000	0097.7	112.4	46.2
215.0	074.3091	0087.8	045.8	017.3	100.0000	0097.7	112.7	46.1
216.0	073.5165	0088.5	045.9	016.9	100.0000	0097.7	112.9	46.1
217.0	072.7281	0089.4	046.0	016.5	100.0000	0097.6	113.1	46.0

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EXHIBIT A8

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

WAKJ.C - BMPED-20050225AAX
Channel = 217A
Max ERP = 1.2 kW
RCAMSL = 116 M
N. Lat = 30 41 05
W. Lng = 86 08 28

Protected
60 dBu

Interfering
100 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
299.0	100.0000	0105.3	051.8	178.0	001.2000	0084.2	018.0	60.2
300.0	100.0000	0104.7	051.7	176.1	001.2000	0084.4	017.3	60.9
301.0	100.0000	0104.2	051.6	174.1	001.2000	0082.6	016.6	61.2
302.0	100.0000	0103.8	051.6	172.0	001.2000	0081.1	015.9	61.7
303.0	100.0000	0103.5	051.5	169.7	001.2000	0079.8	015.3	62.1
304.0	100.0000	0103.4	051.5	167.2	001.2000	0075.6	014.7	62.0
305.0	100.0000	0103.3	051.5	164.5	001.2000	0074.1	014.1	62.6
306.0	100.0000	0103.4	051.5	161.6	001.2000	0074.3	013.5	63.3
307.0	100.0000	0103.6	051.5	158.4	001.2000	0073.9	013.0	64.0
308.0	100.0000	0103.7	051.6	155.0	001.2000	0071.9	012.6	64.4
309.0	100.0000	0103.8	051.6	151.2	001.2000	0069.4	012.2	64.7
310.0	100.0000	0103.8	051.6	147.2	001.2000	0069.4	011.9	65.2
311.0	100.0000	0103.6	051.5	142.9	001.2000	0069.8	011.7	65.5
312.0	100.0000	0103.4	051.5	138.5	001.2000	0072.8	011.6	66.0
313.0	100.0000	0103.3	051.5	134.0	001.2000	0078.2	011.5	66.7
314.0	100.0000	0103.1	051.4	129.6	001.2000	0082.2	011.6	67.0
315.0	100.0000	0102.8	051.4	125.3	001.2000	0086.0	011.8	67.1
316.0	100.0000	0102.6	051.4	121.1	001.2000	0081.7	012.0	66.4
317.0	100.0000	0102.5	051.3	117.0	001.2000	0080.1	012.3	65.7
318.0	100.0000	0102.5	051.3	113.2	001.2000	0079.0	012.6	65.1
319.0	100.0000	0102.4	051.3	109.7	001.2000	0077.8	013.0	64.4
320.0	100.0000	0102.3	051.3	106.4	001.2000	0075.5	013.5	63.5
321.0	100.0000	0102.2	051.3	103.5	001.2000	0075.9	014.1	62.8
322.0	100.0000	0101.9	051.2	100.8	001.2000	0074.4	014.7	61.9
323.0	100.0000	0101.7	051.2	098.4	001.2000	0070.6	015.3	61.1
324.0	100.0000	0101.6	051.2	096.1	001.2000	0068.6	016.0	60.2

MINOR CHANGE APPLICATION
GULF COAST COMMUNITY COLLEGE
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100.0 kW - ND
PANAMA CITY, FLORIDA
February 2006

EXHIBIT A9

WAKJ.C - BMPED-20050225AAX
Channel = 217A
Max ERP = 1.2 kW
RCAMSL = 116 M
N. Lat = 30 41 05
W. Lng = 86 08 28

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

Protected
60 dBu

Interfering
100 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
113.0	001.2000	0079.0	017.1	320.5	100.0000	0102.3	047.4	65.0
114.0	001.2000	0079.5	017.2	320.2	100.0000	0102.3	047.2	65.1
115.0	001.2000	0080.0	017.2	319.9	100.0000	0102.3	047.0	65.1
116.0	001.2000	0080.2	017.3	319.6	100.0000	0102.3	046.9	65.2
117.0	001.2000	0080.1	017.2	319.2	100.0000	0102.4	046.8	65.2
118.0	001.2000	0079.7	017.2	318.8	100.0000	0102.4	046.7	65.2
119.0	001.2000	0079.7	017.2	318.5	100.0000	0102.5	046.6	65.3
120.0	001.2000	0080.4	017.3	318.2	100.0000	0102.5	046.4	65.4
121.0	001.2000	0081.7	017.4	317.9	100.0000	0102.5	046.2	65.5
122.0	001.2000	0083.3	017.6	317.6	100.0000	0102.5	045.9	65.6
123.0	001.2000	0084.8	017.8	317.3	100.0000	0102.5	045.7	65.7
124.0	001.2000	0085.7	017.9	316.9	100.0000	0102.5	045.5	65.7
125.0	001.2000	0086.0	017.9	316.5	100.0000	0102.5	045.4	65.8
126.0	001.2000	0085.7	017.9	316.1	100.0000	0102.6	045.4	65.8
127.0	001.2000	0085.1	017.8	315.7	100.0000	0102.6	045.4	65.8
128.0	001.2000	0084.3	017.7	315.3	100.0000	0102.8	045.4	65.8
129.0	001.2000	0083.3	017.6	314.9	100.0000	0102.8	045.5	65.7
130.0	001.2000	0082.2	017.5	314.5	100.0000	0102.8	045.6	65.7
131.0	001.2000	0081.1	017.4	314.1	100.0000	0103.1	045.7	65.7
132.0	001.2000	0080.1	017.2	313.8	100.0000	0103.1	045.8	65.6
133.0	001.2000	0079.2	017.1	313.4	100.0000	0103.3	046.0	65.6
134.0	001.2000	0078.2	017.0	313.0	100.0000	0103.3	046.1	65.6
135.0	001.2000	0077.1	016.9	312.7	100.0000	0103.3	046.2	65.5
136.0	001.2000	0075.8	016.7	312.3	100.0000	0103.4	046.4	65.4
137.0	001.2000	0074.6	016.6	312.0	100.0000	0103.4	046.6	65.4
138.0	001.2000	0073.6	016.5	311.6	100.0000	0103.4	046.7	65.3
139.0	001.2000	0072.8	016.3	311.3	100.0000	0103.6	046.9	65.3
140.0	001.2000	0071.9	016.2	311.0	100.0000	0103.6	047.0	65.2
141.0	001.2000	0071.1	016.1	310.7	100.0000	0103.6	047.2	65.2
142.0	001.2000	0070.3	016.0	310.3	100.0000	0103.8	047.3	65.1
143.0	001.2000	0069.8	016.0	310.0	100.0000	0103.8	047.4	65.1
144.0	001.2000	0069.6	015.9	309.7	100.0000	0103.8	047.5	65.0
145.0	001.2000	0069.6	015.9	309.4	100.0000	0103.8	047.6	65.0

MINOR CHANGE APPLICATION
GULF COAST COMMUNITY COLLEGE
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100.0 kW - ND
PANAMA CITY, FLORIDA
February 2006

EXHIBIT A10

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

WJED - BLED-19920211KC
Channel = 216A
Max ERP = 0.7 kW
RCAMSL = 86 M
N. Lat = 30 51 34
W. Lng = 85 47 45

Protected
60 dBu

Interfering
100 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
334.0	100.0000	0100.6	051.0	209.6	000.7000	0071.4	019.2	55.5
335.0	100.0000	0100.5	051.0	208.0	000.7000	0071.8	018.5	56.1
336.0	100.0000	0100.4	050.9	206.2	000.7000	0072.6	017.8	56.8
337.0	100.0000	0100.2	050.9	204.2	000.7000	0072.5	017.1	57.3
338.0	100.0000	0099.9	050.9	202.0	000.7000	0072.6	016.5	57.9
339.0	100.0000	0099.6	050.8	199.5	000.7000	0072.9	016.0	58.4
340.0	100.0000	0099.3	050.7	196.9	000.7000	0072.4	015.5	58.8
341.0	100.0000	0098.9	050.7	194.0	000.7000	0070.9	015.0	59.0
342.0	100.0000	0098.6	050.6	191.0	000.7000	0069.1	014.6	59.0
343.0	100.0000	0098.3	050.6	187.8	000.7000	0068.4	014.3	59.4
344.0	100.0000	0098.1	050.5	184.4	000.7000	0066.3	014.0	59.5
345.0	100.0000	0098.0	050.5	180.9	000.7000	0064.1	013.7	59.5
346.0	100.0000	0097.8	050.5	177.3	000.7000	0061.4	013.5	59.4
347.0	100.0000	0097.7	050.4	173.6	000.7000	0061.5	013.4	59.6
348.0	100.0000	0097.7	050.4	169.9	000.7000	0059.8	013.4	59.5
349.0	100.0000	0097.7	050.4	166.1	000.7000	0059.9	013.4	59.5
350.0	100.0000	0097.8	050.5	162.4	000.7000	0059.2	013.4	59.3
351.0	100.0000	0098.0	050.5	158.7	000.7000	0059.2	013.5	59.1
352.0	100.0000	0098.2	050.5	155.1	000.7000	0058.0	013.7	58.7
353.0	100.0000	0098.4	050.6	151.6	000.7000	0056.5	014.0	58.2
354.0	100.0000	0098.4	050.6	148.3	000.7000	0055.7	014.3	57.6
355.0	100.0000	0098.5	050.6	145.2	000.7000	0055.7	014.7	57.1
356.0	100.0000	0098.5	050.6	142.4	000.7000	0053.0	015.2	56.4
357.0	100.0000	0098.5	050.6	139.7	000.7000	0051.3	015.7	55.7
358.0	100.0000	0098.5	050.6	137.2	000.7000	0050.2	016.3	55.0

MINOR CHANGE APPLICATION
GULF COAST COMMUNITY COLLEGE
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100.0 kW - ND
PANAMA CITY, FLORIDA
February 2006

EXHIBIT A11

WJED - BLED-19920211KC
Channel = 216A
Max ERP = 0.7 kW
RCAMSL = 86 M
N. Lat = 30 51 34
W. Lng = 85 47 45

WKGC-FM - Proposed
Channel = 214C1
Max ERP = 100 kW
RCAMSL = 115.2 M
N. Lat = 301745
W. Lng = 853942

Protected
60 dBu

Interfering
100 dBu

30 Sec. Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
159.0	000.7000	0059.2	012.9	350.8	100.0000	0098.0	051.1	63.3
160.0	000.7000	0059.3	012.9	350.5	100.0000	0098.0	051.0	63.3
161.0	000.7000	0059.2	012.9	350.3	100.0000	0097.8	051.0	63.3
162.0	000.7000	0059.2	012.9	350.0	100.0000	0097.8	051.0	63.3
163.0	000.7000	0059.4	012.9	349.8	100.0000	0097.8	050.9	63.3
164.0	000.7000	0059.6	013.0	349.5	100.0000	0097.8	050.9	63.3
165.0	000.7000	0059.8	013.0	349.3	100.0000	0097.7	050.8	63.3
166.0	000.7000	0059.9	013.0	349.0	100.0000	0097.7	050.8	63.3
167.0	000.7000	0059.8	013.0	348.8	100.0000	0097.7	050.8	63.3
168.0	000.7000	0059.8	013.0	348.5	100.0000	0097.7	050.8	63.3
169.0	000.7000	0059.7	013.0	348.3	100.0000	0097.7	050.8	63.3
170.0	000.7000	0059.8	013.0	348.0	100.0000	0097.7	050.8	63.3
171.0	000.7000	0060.1	013.0	347.8	100.0000	0097.7	050.8	63.3
172.0	000.7000	0060.6	013.1	347.5	100.0000	0097.7	050.8	63.4
173.0	000.7000	0061.0	013.1	347.2	100.0000	0097.7	050.8	63.4
174.0	000.7000	0061.5	013.1	347.0	100.0000	0097.7	050.7	63.4
175.0	000.7000	0061.7	013.2	346.7	100.0000	0097.7	050.7	63.4
176.0	000.7000	0061.7	013.2	346.5	100.0000	0097.8	050.8	63.4
177.0	000.7000	0061.4	013.1	346.2	100.0000	0097.8	050.8	63.3
178.0	000.7000	0061.2	013.1	346.0	100.0000	0097.8	050.9	63.3
179.0	000.7000	0061.9	013.2	345.7	100.0000	0097.8	050.9	63.3
180.0	000.7000	0063.0	013.3	345.4	100.0000	0098.0	050.9	63.3
181.0	000.7000	0064.1	013.4	345.2	100.0000	0098.0	050.8	63.4
182.0	000.7000	0065.0	013.5	344.9	100.0000	0098.0	050.8	63.4
183.0	000.7000	0065.7	013.5	344.6	100.0000	0098.0	050.8	63.3
184.0	000.7000	0066.3	013.6	344.3	100.0000	0098.1	050.9	63.4
185.0	000.7000	0067.1	013.6	344.1	100.0000	0098.1	050.9	63.3
186.0	000.7000	0067.7	013.7	343.8	100.0000	0098.1	050.9	63.3
187.0	000.7000	0068.2	013.7	343.5	100.0000	0098.1	051.0	63.3
188.0	000.7000	0068.4	013.8	343.3	100.0000	0098.3	051.0	63.3
189.0	000.7000	0068.6	013.8	343.0	100.0000	0098.3	051.1	63.3

MINOR CHANGE APPLICATION
GULF COAST COMMUNITY COLLEGE
WKGC-FM RADIO STATION
CH 214C1 - 90.7 MHz - 100.0 kW - ND
PANAMA CITY, FLORIDA
February 2006

EXHIBIT A12

N. Lat. = 30 17 45 - Tabulated Protected and Interfering Contour Data
W. Lng. = 85 39 42 - WKGC-FM Radio Station, Panama City, Florida

HAAT and Distance to Contour - FCC Method - 30 Arc Sec.									
Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	60-F5	54-F1	40-F1
000	16.5	98.7	100.0000	20.00	1.000	5.81	50.63	80.03	146.16
010	18.7	96.5	100.0000	20.00	1.000	5.74	50.20	79.63	145.78
020	17.8	97.4	100.0000	20.00	1.000	5.77	50.38	79.80	145.94
030	16.6	98.6	100.0000	20.00	1.000	5.81	50.61	80.01	146.14
040	12.1	103.1	100.0000	20.00	1.000	5.94	51.45	80.81	146.92
050	8.4	106.8	100.0000	20.00	1.000	6.05	52.12	81.46	147.56
060	6.9	108.3	100.0000	20.00	1.000	6.09	52.37	81.71	147.81
070	4.9	110.3	100.0000	20.00	1.000	6.15	52.71	82.04	148.15
080	4.8	110.4	100.0000	20.00	1.000	6.15	52.72	82.05	148.16
090	6.0	109.2	100.0000	20.00	1.000	6.12	52.52	81.85	147.96
100	5.2	110.0	100.0000	20.00	1.000	6.14	52.66	81.99	148.10
110	4.4	110.8	100.0000	20.00	1.000	6.16	52.79	82.12	148.23
120	5.9	109.3	100.0000	20.00	1.000	6.12	52.55	81.88	147.99
130	6.5	108.7	100.0000	20.00	1.000	6.11	52.45	81.78	147.89
140	4.1	111.1	100.0000	20.00	1.000	6.17	52.85	82.18	148.29
150	3.9	111.3	100.0000	20.00	1.000	6.18	52.87	82.20	148.32
160	3.9	111.3	100.0000	20.00	1.000	6.18	52.88	82.21	148.33
170	3.5	111.7	100.0000	20.00	1.000	6.19	52.94	82.27	148.39
180	2.8	112.4	100.0000	20.00	1.000	6.21	53.06	82.39	148.51
190	1.3	113.9	100.0000	20.00	1.000	6.25	53.31	82.64	148.77
200	0.0	115.2	100.0000	20.00	1.000	6.28	53.51	82.85	148.99
210	0.0	115.2	100.0000	20.00	1.000	6.28	53.51	82.85	148.99
220	0.0	115.2	100.0000	20.00	1.000	6.28	53.51	82.85	148.99
230	0.0	115.2	100.0000	20.00	1.000	6.28	53.51	82.85	148.99
240	0.0	115.2	100.0000	20.00	1.000	6.28	53.51	82.85	148.99
250	0.1	115.1	100.0000	20.00	1.000	6.28	53.49	82.83	148.97
260	0.5	114.7	100.0000	20.00	1.000	6.27	53.44	82.77	148.91
270	0.9	114.3	100.0000	20.00	1.000	6.26	53.37	82.70	148.84
280	2.1	113.1	100.0000	20.00	1.000	6.22	53.17	82.50	148.63
290	6.2	109.0	100.0000	20.00	1.000	6.11	52.49	81.82	147.93
300	10.5	104.7	100.0000	20.00	1.000	5.99	51.74	81.09	147.19
310	11.4	103.8	100.0000	20.00	1.000	5.96	51.57	80.93	147.04
320	12.9	102.3	100.0000	20.00	1.000	5.92	51.31	80.68	146.79
330	13.7	101.5	100.0000	20.00	1.000	5.90	51.16	80.54	146.65
340	15.9	99.3	100.0000	20.00	1.000	5.83	50.74	80.14	146.26
350	17.4	97.8	100.0000	20.00	1.000	5.78	50.45	79.87	146.01