

FEDERAL COMMUNICATIONS COMMISSION

445 12th Street SW
WASHINGTON DC 20554

MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: <http://www.fcc.gov/mb/audio/>

PROCESSING ENGINEER: Dale Bickel
TELEPHONE: (202) 418-2700
FAX: (202)-418-1411 MAIL STOP: 2-B450
INTERNET ADDRESS: dale.bickel@fcc.gov

April 30, 2009

Georgia Public Telecommunications Commission
260 Fourteenth Street, N.W.
Atlanta, GA 30318

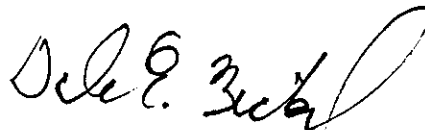
In re: WACG-FM; Augusta, GA
Georgia Public Telecommunications Commission
Facility ID No. 23922
CP application BPED-20090218ABZ

Dear GPTC:

This letter refers to application BPED-20090218ABZ which proposes to change the facilities of WACG-FM, Augusta, GA and change the station's transmitter site by 44.6 km.

The proposed 54 dBu interfering contour of WACG-FM would overlap the existing 60 dBu protected service contour of first-adjacent channel station WPWB, Byron, GA by as much as 0.57 km, resulting in prohibited contour caused to WPWB in violation of Section 73.509.¹ Consequently, this application is unacceptable for filing and IS DISMISSED.

Sincerely,



Dale E. Bickel
Senior Engineer
Audio Division
Media Bureau

cc: Arnold and Porter
: Kessler and Gehman Associates, Inc.

¹ The exhibits provided in your application do not provide sufficient detail to show this prohibited contour overlap. Additionally, we find that use of a different terrain database confirms the prohibited contour overlap near the town of Oconee, GA.. We find that if WACG-FM's proposed ERP is reduced to 5.4 kW, the prohibited contour overlap will be eliminated.

The MO&O for MM Docket 87-121 adopted August 28, 1991 and released September 17, 1991, becomes effective on November 1, 1991.

As of November 1, 1991, Section 73.215(e) is changed so that contour protection for 2nd adjacent channels will be based on a 40 DB protection ratio. In the past, contour protection under 73.215 used a 20 DB protection ratio for 2nd adjacent channels.

These changes affect only the processing of 73.215 applications. For more information please refer to the above-mentioned MO&O.

P L E A S E R E A D P L E A S E R E A D

FMOVER version date Jan 11 2008 08:42:46

(1) File= BPED20090218ABZ (2) Call= WACGFM (3) Channel= 214 (4) Class= C2
(5) Service= FM (6) City= AUGUSTA (7) State= GA
(8) Country= US (9) N Lat 33-15-33 (10) W Long 82-17-09
(11) herp= 5.60 (12) Max herp= (13) hhaat= 429.4 (18) h_rcamsl= 544.0
(14) verp= (15) Max verp= (16) vhaat= (19) v_rcamsl=
(17) Beam Tilt= N (26) h_rcagl= 411. (27) v_rcagl=
(20) Section 73.215= N (21) Internat. Class= (22) Dir Ant= N
(23) Make= (24) Model= (25) Rotate=

(1) File= BLED19900319KA (2) Call= WPWB (3) Channel= 213 (4) Class= C2
(5) Service= FM (6) City= BYRON (7) State= GA
(8) Country= US (9) N Lat 32-40-55 (10) W Long 83-22-10
(11) herp= 16.5 (12) Max herp= (13) hhaat= 138.0 (18) h_rcamsl= 260.0
(14) verp= 16.5 (15) Max verp= (16) vhaat= 138.0 (19) v_rcamsl= 260.0
(17) Beam Tilt= N (26) h_rcagl= 101. (27) v_rcagl= 101.
(20) Section 73.215= N (21) Internat. Class= (22) Dir Ant= N
(23) Make= (24) Model= (25) Rotate=

19900319KA
 PROTECTED
 60.00 dBu

20090218ABZ
 INTERFERING
 54.00 dBu

AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	ACTUAL (dBu)	IX (km)
50.0	16.500	132.8	40.2	241.54	5.600	425.0	80.0	53.42	0.00
51.0	16.500	134.0	40.4	241.07	5.600	425.5	79.7	53.52	0.00
52.0	16.500	136.0	40.6	240.59	5.600	425.9	79.3	53.65	0.00
53.0	16.500	138.6	41.0	240.11	5.600	426.4	78.9	53.80	0.00
54.0	16.500	141.4	41.3	239.62	5.600	426.8	78.5	53.96	0.00
55.0	16.500	143.8	41.6	239.10	5.600	427.3	78.1	54.09	0.28
56.0	16.500	145.0	41.8	238.58	5.600	427.9	78.0	54.17	0.51
57.0	16.500	145.0	41.8	238.04	5.600	428.3	77.9	54.19	0.57
58.0	16.500	144.4	41.7	237.50	5.600	428.7	78.0	54.18	0.53
59.0	16.500	143.8	41.6	236.97	5.600	429.0	78.1	54.15	0.45
60.0	16.500	143.6	41.6	236.44	5.600	429.2	78.2	54.13	0.41
61.0	16.500	143.6	41.6	235.91	5.600	429.4	78.3	54.12	0.35
62.0	16.500	143.1	41.5	235.39	5.600	429.7	78.4	54.08	0.23
63.0	16.500	141.9	41.4	234.88	5.600	430.0	78.6	54.00	0.01
64.0	16.500	140.2	41.2	234.39	5.600	430.4	79.0	53.91	0.00
65.0	16.500	138.3	40.9	233.91	5.600	430.8	79.3	53.80	0.00

BLEDI9900319KA LIC WPWB
 BYRON GA US
 213C2 90.5 MHz Updated 19930616
 AUGUSTA RADIO FELLOWSHIP INSTITU
 N Lat 32-40-55 W Lon 083-22-10

BPED20090218ABZ APP WACGFM
 AUGUSTA GA US
 214C2 90.7 MHz Updated 20090424
 GEORGIA PUBLIC TELECOMMUNICATION
 N Lat 33-15-33 W Lon 082-17-09

 ERP HAAT RCAMSL
 H 16.500 kw 138 m 260 m
 V 16.500 kw 138 m 260 m
 DA:N Make: Mod:
 Rotation: degrees
 Is it 73.215: N

 ERP HAAT RCAMSL
 H 5.600 kw 429 m 544 m
 V 0.000 kw 4 m 544 m
 DA:N Make: Mod:
 Rotation: degrees
 Is it 73.215: N

19900319KA
 PROTECTED
 60.00 dBu

20090218ABZ
 INTERFERING
 54.00 dBu

AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	ACTUAL (dBu)	IX (km)
0.0	16.500	154.3	43.0	258.41	5.600	421.9	103.1	46.12	
10.0	16.500	145.2	41.8	256.47	5.600	421.4	96.4	48.00	
20.0	16.500	142.8	41.5	254.06	5.600	421.9	90.3	49.92	
30.0	16.500	143.2	41.6	250.85	5.600	421.1	85.0	51.64	
40.0	16.500	137.9	40.9	246.45	5.600	422.1	81.6	52.79	
50.0	16.500	132.8	40.2	241.54	5.600	425.0	80.0	53.42	
60.0	16.500	143.6	41.6	236.44	5.600	429.2	78.2	54.13	**
70.0	16.500	133.0	40.3	231.60	5.600	431.9	80.9	53.31	
80.0	16.500	121.8	38.9	227.73	5.600	431.1	85.2	51.88	
90.0	16.500	122.0	38.9	224.30	5.600	433.0	89.5	50.53	
100.0	16.500	123.0	39.0	221.67	5.600	433.5	94.8	48.86	
110.0	16.500	128.2	39.7	219.63	5.600	433.0	100.8	47.10	
120.0	16.500	137.8	40.9	218.10	5.600	432.6	107.3	45.28	
130.0	16.500	133.6	40.3	218.21	5.600	432.6	114.4	43.43	
140.0	16.500	132.0	40.1	218.73	5.600	432.8	121.3	41.66	
150.0	16.500	131.9	40.1	219.64	5.600	433.0	128.1	39.97	
160.0	16.500	133.6	40.3	220.87	5.600	433.3	134.5	38.33	
170.0	16.500	131.6	40.1	222.58	5.600	433.6	140.2	36.92	
180.0	16.500	141.1	41.3	224.14	5.600	433.1	146.2	35.56	
190.0	16.500	142.2	41.4	226.24	5.600	431.6	150.9	34.54	
200.0	16.500	143.1	41.5	228.53	5.600	431.2	154.8	33.72	
210.0	16.500	143.7	41.6	230.94	5.600	431.7	157.9	33.11	
220.0	16.500	154.3	43.0	233.34	5.600	431.3	161.2	32.39	
230.0	16.500	164.2	44.1	235.92	5.600	429.4	163.6	31.86	
240.0	16.500	159.5	43.6	238.61	5.600	427.8	163.3	31.90	
250.0	16.500	153.6	42.9	241.22	5.600	425.3	161.8	32.15	
260.0	16.500	146.6	42.0	243.72	5.600	423.3	159.3	32.63	
270.0	16.500	141.0	41.3	246.10	5.600	422.1	156.1	33.27	
280.0	16.500	132.6	40.2	248.24	5.600	422.1	151.7	34.15	
290.0	16.500	134.0	40.4	250.45	5.600	421.2	147.7	34.95	
300.0	16.500	130.1	39.9	252.29	5.600	421.5	142.5	36.05	
310.0	16.500	119.6	38.6	253.58	5.600	421.9	136.3	37.55	
320.0	16.500	116.8	38.3	254.83	5.600	421.7	130.2	39.09	
330.0	16.500	127.2	39.5	256.41	5.600	421.3	124.3	40.58	
340.0	16.500	141.5	41.3	257.92	5.600	421.8	117.8	42.26	
350.0	16.500	147.1	42.1	258.43	5.600	421.9	110.5	44.13	
360.0	16.500	154.3	43.0	258.41	5.600	421.9	103.1	46.12	

BPED20090218ABZ	APP	WACGFM	BLED19900319KA	LIC	WPWB
AUGUSTA		GA US	BYRON		GA US
214C2	90.7 MHz	Updated 20090424	213C2	90.5 MHz	Updated 19930616
GEORGIA PUBLIC TELECOMMUNICATION			AUGUSTA RADIO FELLOWSHIP INSTITU		
N Lat 33-15-33 W Lon 082-17-09			N Lat 32-40-55 W Lon 083-22-10		

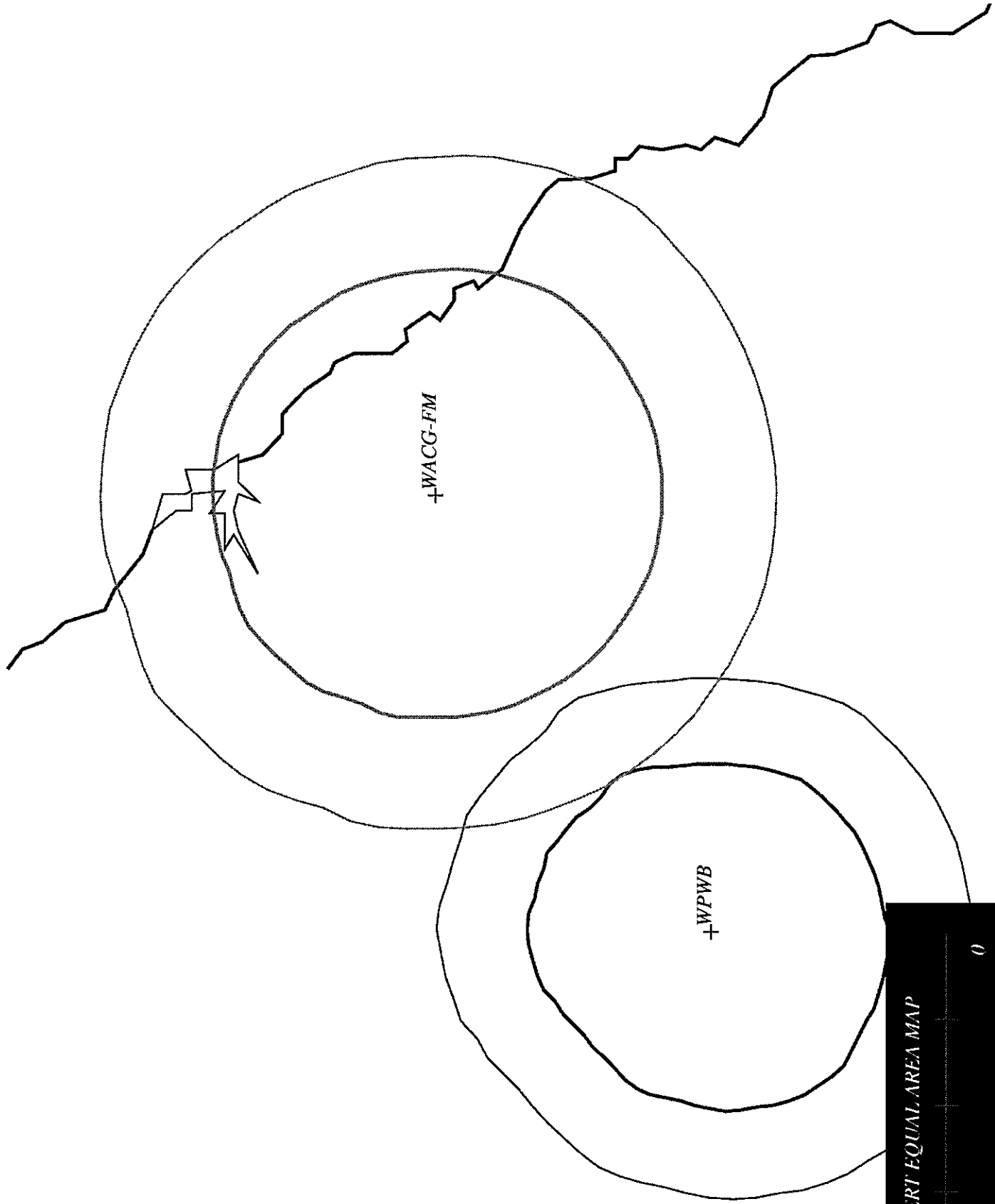
 ERP HAAT RCAMSL
 H 5.600 kw 429 m 544 m
 V 0.000 kw 4 m 544 m
 DA:N Make: Mod:
 Rotation: degrees
 Is it 73.215: N

 ERP HAAT RCAMSL
 H 16.500 kw 138 m 260 m
 V 16.500 kw 138 m 260 m
 DA:N Make: Mod:
 Rotation: degrees
 Is it 73.215: N

20090218ABZ
 PROTECTED
 60.00 dBu

19900319KA
 INTERFERING
 54.00 dBu

AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	ACTUAL (dBu)	IX (km)
0.0	5.600	422.4	52.0	40.65	16.500	137.7	153.8	32.01	
10.0	5.600	422.0	52.0	43.29	16.500	134.3	159.3	31.01	
20.0	5.600	422.6	52.0	46.06	16.500	130.1	163.9	30.07	
30.0	5.600	424.5	52.1	48.93	16.500	131.9	167.6	29.46	
40.0	5.600	425.1	52.1	51.89	16.500	135.7	170.1	29.11	
50.0	5.600	422.6	52.0	54.91	16.500	143.6	171.4	29.10	
60.0	5.600	418.5	51.8	57.93	16.500	144.5	171.5	29.11	
70.0	5.600	422.8	52.0	60.96	16.500	143.6	170.9	29.18	
80.0	5.600	428.2	52.3	63.97	16.500	140.3	169.3	29.38	
90.0	5.600	433.6	52.6	66.96	16.500	135.5	166.6	29.73	
100.0	5.600	442.9	53.1	69.91	16.500	133.1	163.1	30.31	
110.0	5.600	451.9	53.6	72.79	16.500	128.3	158.4	31.00	
120.0	5.600	461.4	54.1	75.56	16.500	127.0	152.7	31.89	
130.0	5.600	456.2	53.9	77.91	16.500	125.7	145.6	33.05	
140.0	5.600	448.0	53.4	79.90	16.500	122.0	137.6	34.45	
150.0	5.600	439.9	53.0	81.49	16.500	119.7	129.1	36.05	
160.0	5.600	439.1	52.9	82.76	16.500	119.9	120.3	37.63	
170.0	5.600	437.8	52.8	83.41	16.500	120.4	111.2	39.31	
180.0	5.600	436.8	52.8	83.29	16.500	120.3	102.0	41.27	
190.0	5.600	437.0	52.8	82.21	16.500	119.5	93.0	43.53	
200.0	5.600	437.7	52.8	79.87	16.500	122.1	84.5	46.01	
210.0	5.600	433.5	52.6	75.86	16.500	126.9	77.3	48.36	
220.0	5.600	433.1	52.6	70.34	16.500	132.6	71.5	50.38	
230.0	5.600	431.4	52.5	63.36	16.500	141.3	68.1	51.91	
240.0	5.600	426.5	52.2	55.66	16.500	144.7	67.6	52.26	
250.0	5.600	421.4	51.9	48.30	16.500	131.4	69.8	50.86	
260.0	5.600	421.4	51.9	42.02	16.500	136.4	74.2	49.73	
270.0	5.600	418.2	51.8	37.35	16.500	138.8	80.7	47.88	
280.0	5.600	429.8	52.4	33.80	16.500	140.7	88.2	45.76	
290.0	5.600	415.6	51.6	32.45	16.500	141.5	97.0	43.32	
300.0	5.600	435.4	52.7	31.19	16.500	142.3	105.9	41.16	
310.0	5.600	435.5	52.7	31.44	16.500	142.1	115.0	39.27	
320.0	5.600	436.9	52.8	32.36	16.500	141.6	124.0	37.59	
330.0	5.600	432.4	52.5	33.95	16.500	140.6	132.5	35.96	
340.0	5.600	406.9	51.2	36.32	16.500	139.4	139.7	34.51	
350.0	5.600	419.1	51.8	38.27	16.500	138.4	147.3	33.09	
360.0	5.600	422.4	52.0	40.65	16.500	137.7	153.8	32.01	



LAMBERT EQUAL AREA MAP

0

KILOMETERS

DATE:

04/30/09

ENGINEER:

Date Bickel

100

FILE C:\COLUMNS\10\10\101 OF THE DATA WHICH APPEARS ON THE ABOVE MAP

BOTTOM LATITUDE: 31.91 TOP LATITUDE: 34.18 LEFT LONGITUDE: -84.23 RIGHT LONGITUDE: -81.24

MAP: ENLARGED CONUS MAP PROJECTION: Lambert Equal-area CENTER LAT: 33.04 LONG: -82.74 GRID SPACING: 0.50

KILOMETERS / INCH = 31.79

PLOT MADE ON : 30 April, 2009 11:35 HOURS

```
=====
```

<i>call</i>	<i>serv</i>	<i>city,state</i>	<i>application no.</i>	<i>contour</i>	<i>chan</i>	<i>erp</i>	<i>haat</i>	<i>rcamsl</i>	<i>coverage area</i>	<i>AI</i>
WPWB	FM	BYRON,GA	BLED-19900319KA	60.0 dBu (50,50)	213C2	16.500	138.0	260.0	5264.1 sq km	0
WPWB	FM	BYRON,GA	BLED-19900319KA	54.0 dBu (50,10)	213C2	16.500	138.0	260.0	11817.0 sq km	0
WACG-F	FM	AUGUSTA,GA	BPED-20090218ABZ	60.0 dBu (50,50)	214C2	5.500	429.4	544.0	8603.1 sq km	0
WACG-F	FM	AUGUSTA,GA	BPED-20090218ABZ	54.0 dBu (50,10)	214C2	5.500	429.4	544.0	19385.2 sq km	0

```
=====
```

No topographic data is available for this location.

A1 - Number of radials where free space equation was used for field strength calculations.

A7 - Number of radials where a HAAT less than 30 meters was adjusted to 30 meters.