

**MINOR AMENDMENT TO
W205CI APPLICATION
BPFT-20091211AEB**

This technical report has been developed in support of a minor amendment to the pending W205CI application at Tallapoosa, GA, BPFT-20091211AEB. The application's channel is changed from 205 to IF channel 258 (+53) as a fill in translator for station WWWQ on channel 259 (facility ID#73345) licensed to Atlanta, GA. The proposed facility will be combined with licensed translator W209CG.

The data for all terrain utilized in this report and application exhibits were obtained from the V-Soft provided FCC 30 second database. The following exhibits are provided to support the modification of the facility:

- E1 Channel Study**
- E1A Interference plot to WWWQ**
- E2 W205CI application, W205CI license and WWWQ 60 dBu plots**
- E3 W229AG proposed HAAT tabulation**
- E4 ASR**

Allocation analysis:

Exhibit E1 and E1A demonstrate that the proposed facility does not cause prohibited interference to any facility. The W205CI channel 258 application does cause some permissible interference to its primary station, WWWQ, in accordance with 73.1204(e) but not within that station's city of license - Atlanta, GA. The proposed 54 dBu (50,10) does not reach Atlanta, and the closest calculated U/D interference contour falls well short of the Atlanta boundary (see E1A).

W205CI Antenna and RF exposure calculation:

The proposed W205CI facility will be combined with the W209CG licensed facility (facility ID #150669) at ASR#1267806 at 90 meters above ground level using a Nicom BKG-77 wide band, circularly polarized antenna at coordinates.

33-58-19 N 84-30-09 W (NAD 27).

The RF contribution from the 0.010 kW facility was evaluated using the formula:

Anderson Communications, LLC

$$S \text{ (RF in microwatts/cm}^2\text{)} = \frac{33.4 (F2 - \text{Vert Factor}) X (H \text{ ERP} + V \text{ ERP in watts})}{R^2 \text{ (distance to radiation center in meters)}}.$$

Based on a worst case F factor of 1.0, the RF contribution was calculated to be 0.086 $\mu\text{Watts/cm}^2$ or 0.043% of the general public exposure limit, and well below the 5% level that is categorically excluded from consideration.

Conclusion:

It is concluded that the minor amendment to the W205CI application complies with all Commission rules and policies.


Charles M. Anderson

June 24, 2010

© 2010 Anderson Communications, LLC

E1 W205CI APPLICATION AMENDMENT

REFERENCE
33 58 19.0 N.
84 30 09.0 W.

CH# 258D - 99.5 MHz, Pwr= 0.01 kW, HAAT= 170.4 M, COR= 476 M
Average Protected F(50-50)= 7.48 km
Omni-directional

DISPLAY DATES
DATA 06-23-10
SEARCH 06-23-10

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
259C0 Atlanta	WWOQ	LIC GA	_C_	140.5 320.6	23.7 BLH20030514ABW	33 48 26.0 84 20 22.0	100.000 340	109.3 612	75.0 Susquehanna Radio Corp.	-94.4*<	-62.8*<(1)
255D Marietta	645404	APP GA	_C_	285.3 105.2	10.4 BNPFT20030317DSO	33 59 47.6 84 36 41.2	0.027	0.4 355	4.5 Edgewater Broadcasting, Inc.	2.9	5.7
255D Kennesaw	652008	APP GA	_C_	311.5 131.4	12.4 BNPFT20030317MMV	34 02 44.0 84 36 11.0	0.019	0.3 378	5.6 Clark Atlanta University	4.6	6.6
257C2 Cornelia	WCON-FM	LIC GA	_CN	50.7 231.2	97.4 BLH19891201KA	34 31 24.0 83 40 46.0	19.000 246	76.9 662	52.7 Habersham Broadcasting Co.	13.0	34.5
257D Dallas	645358	APP GA	_C_	267.3 87.1	35.3 BNPFT20030317DQM	33 57 24.0 84 53 05.7	0.010	13.9 578	9.9 Edgewater Broadcasting, Inc.	14.1	15.2
257D Oakland Heights	632759	APP GA	_C_	319.6 139.5	36.5 BNPFT20030311ANK	34 13 18.0 84 45 35.0	0.010	9.6 408	6.9 Way-fm Media Group, Inc.	19.5	19.2
255D Alpharetta	645311	APP GA	_C_	52.6 232.7	28.3 BNPFT20030317DPH	34 07 34.7 84 15 29.3	0.013	0.3 421	5.9 Edgewater Broadcasting, Inc.	20.7	22.1
255D Dallas	645347	APP GA	_C_	267.3 87.1	35.3 BNPFT20030317DQJ	33 57 24.0 84 53 05.7	0.010	0.2 578	9.9 Edgewater Broadcasting, Inc.	27.9	25.2
261C3 Talking Rock	WNSY	LIC GA	_CX	0.8 180.8	73.2 BLH20020128AAS	34 37 50.0 84 29 29.0	7.000 188	4.3 666	43.5 Davis Broadcasting Of Atlanta	61.2	29.5
255D Lawrenceville	629303	APP GA	_C_	87.6 267.8	41.1 BNPFT20030310AZU	33 59 12.0 84 03 25.0	0.013	0.3 406	6.6 Calvary Chapel Of Twin Falls	33.2	34.3
255D Cumming	647463	APP GA	_C_	47.0 227.2	43.2 BNPFT20030317DHB	34 14 12.0 84 09 30.0	0.010	0.2 610	9.7 Immanuel Broadcasting Network	35.9	33.4
261D Morrow	W261BG	LIC GA	_C_	161.8 341.9	47.9 BLFT20080505ABM	33 33 45.0 84 20 28.0	0.005	0.2 397	5.3 Radio Training Network, Inc.	39.6	42.3
255D Sugar Hill	645478	APP GA	_C_	67.4 247.7	49.8 BNPFT20030317DVE	34 08 33.6 84 00 11.3	0.010	0.2 550	8.8 Edgewater Broadcasting, Inc.	41.8	40.7
258C0 Birmingham	WZRR	LIC AL	NCN	256.0 74.7	224.3 BLH19980128KB	33 27 45.0 86 50 59.0	100.000 309	169.8 491	71.4 Radio License Holding Cbc,	47.1	127.8
257D Rome	631605	APP GA	_C_	298.1 117.7	70.9 BNPFT20030317AQO	34 16 15.0 85 11 00.0	0.250	12.9 259	9.3 Broadcast Investment Assoc	50.6	51.3
257D Rome	640306	APP GA	_C_	296.1 115.7	68.6 BNPFT20030314CKA	34 14 30.0 85 10 22.0	0.170	9.2 223	6.4 Alabama Christian Radio Inc	52.0	51.8
255C3 Chatsworth	WNGH-FM	LIC GA	NCX	347.4 167.3	88.9 BMLED20090615AFD	34 45 06.0 84 42 54.0	0.420 527	1.4 892	34.1 The Foundation For Public	79.6	54.5
255A Tallapoosa	WPPI	CP GA	_CX	244.2 63.8	81.4 BNPH20091008AAJ	33 39 03.0 85 17 41.0	1.850 182	2.2 520	25.9 Wkng, Lic	71.6	55.3

(1) Permissible interference to primary station. See technical report and exhibit E1A.

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 2, Co to 3rd adjacent.
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 protected contour.

E1A W205CI.A

BPFT20091211AEB

Latitude: 33-58-19 N

Longitude: 084-30-09 W

ERP: 0.01 kW

HAAT: 170.37 m

Channel: 258

Frequency: 99.5 MHz

RCAMSL Height: 476.0 m

Site Elevation: 386.0 m

Horiz. Pattern: Omni

W205CI CHANNEL 258 81.5 DBU (50,10)

PROPOSED W205C1 CHANNEL 258 54 DBU
DOES NOT TOUCH ATLANTA, GA (CITY
OF LICENSE FOR WWWQ-FM) BOUNDARY.

WWWQ-FM 87.5 DBU

W205CI.A

ATLANTA, GA
BOUNDARY

WWWQ

BASED ON THE -6 DBU 1ST ADJACENT CHANNEL
U/D RATIO, THE CLOSEST ACTUAL W205CI
INTERFERENCE CONTOUR (81.2 DBU) FALLS WELL
SHORT OF THE CITY OF LICENSE BOUNDARY IN
FULL COMPLIANCE WITH 74.1204(e)
FOR A FIRST ADJACENT CHANNEL FILL IN
TRANSLATOR FOR WWWQ-FM ON CHANNEL 259
AT ATLANTA, GA.

34-00-00 N

33-50-00 N

084-40-00 W

084-30-00 W

084-20-00 W

084-10-00 W

Scale 1:300,000

0 4.0 8.0 12 km

E2 W205CI.A

BPFT20091211AEB

Latitude: 33-58-19 N

Longitude: 084-30-09 W

ERP: 0.01 kW

HAAT: 170.37 m

Channel: 258

Frequency: 99.5 MHz

RCAMSL Height: 476.0 m

Site Elevation: 386.0 m

Horiz. Pattern: Omni

WWWQ PRIMARY STATION 60 DBU

**THE W205CI PROPOSED CHANNEL 258 60 DBU
IS CONTAINED WITHIN PRIMARY STATION WWWQ'S
60 DBU, AND OVERLAPS THE LICENSED W205CI 60 DBU.**



WWWQ

Scale 1:500,000

0 7.0 14.0 21 km

E3 HAAT AND 60 DBU TABULATION

N. Lat. = 335819.0 W. Lng. = 843009.0
HAAT and Distance to Contour,
V-Soft 3-16 km, 131 pts Method - FCC 30 SEC

W205CI, Edgewater Broadcasting, Inc. , BPFT20091211AEB
Azi. AV EL HAAT dBk 60-F5

000	298.7	177.3	-20.00	7.73
030	327.5	148.5	-20.00	7.06
060	305.6	170.4	-20.00	7.58
090	302.0	174.0	-20.00	7.66
120	294.3	181.7	-20.00	7.83
150	278.1	197.9	-20.00	8.18
180	301.5	174.5	-20.00	7.67
210	310.0	166.0	-20.00	7.47
240	302.9	173.1	-20.00	7.64
270	326.2	149.8	-20.00	7.09
300	317.0	159.0	-20.00	7.31
330	308.4	167.6	-20.00	7.51

Ave El= 306.02 M HAAT= 170 M AMSL= 476 M

Registration 1267806 [Map Registration](#)**Registration Detail**

Reg Number	1267806	Status	Constructed
File Number	A0629941	Constructed	04/02/2009
FAA Study	2008-ASO-6556-OE	EMI	No
FAA Issue Date	01/29/2009	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long 33-58-19.2 N 084-30-08.3 W 1480 Barnes Mill Rd
City, State Marietta , GA
Center of
AM Array

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
386.2	98.5
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
484.7	92.4

Painting and Lighting Specifications

FAA Chapters 4, 8, 12
Paint and Light in Accordance with FAA Circular Number 70/7460-1K
.

Owner & Contact Information

FRN	0018628016	Licensee ID	L01477154
-----	------------	-------------	-----------

Owner

JLD Enterprises Inc
Attention To: Lynda Ingalls
6039 Spring St
P.O. Box 65
Austell , GA 30168

P: (770)941-0156
E: lyndagail@comcast.net

Contact

Ingalls , Lynda D
6039 Spring St
P.O. Box 65
Austell , GA 30168
.

P: (770)941-0156
E: lyndagail@comcast.net

Last Action Status

Status	Constructed	Received	04/02/2009
Purpose	Notification	Entered	04/02/2009
Mode	Interactive		

04/02/2009	A0629940 - New (NE)
04/02/2009	A0629941 - Notification (NT)

Comments

()

04/03/2009 Authorization, Reference

9

CLOSE WINDOW