

**Florida State University
Tallahassee, FL**

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Wednesday, March 14, 2007

BIAfn/Dataworld FM Channel Study

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Job Title: Fort Walton 233 Update

Safety Zone:	26.0 km (16.2 mi)
Safety dB:	3.0
Channel(s):	233 FT
Coordinates:	N 30° 25' 12.0" W 86° 36' 44.0"
Effective radiated power:	0.17 kW
Antenna 35 m (114.8 ft) above average terrain	
FM Translators included	

**Florida State University
Tallahassee, FL**

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Wednesday, March 14, 2007

BIAfn/Dataworld FM Interference Study

Title: Fort Walton 233 Update

Channel: 233 FT (94.5 MHz) ERP: 0.17 kW HAAT: 35.0 m
Database: DW 3/13/2007 5:14:16 PM

Latitude: N 30° 25' 12.0"
Longitude: W 86° 36' 44.0"
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMS(m)	(kW)	Longitude	-from	(km)
W230AM	Lic	Bhagwan Dadlani, Individually	230 FT	59.0	0.038 H	N 32° 20' 27.0"	7.1	214.7	7.368
Montgomery		AL	BLFT-19991112ACY	93.9	115.0	0.038 V	W 86° 19' 47.0"	187.2	207.3
Primary station: WKXN Greenville, AL									
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					W230AM Channel 230 FT 60 dBuV/m F(50,50) Service contour = 6.2 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W230AM Channel 230 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km				
WMEZ	Lic	6 Johnson Road Licenses, Inc.	231 C0	405.0	100 H	N 30° 35' 18.0"	282.0	92.35	80.83
Pensacola		FL	BLH-19860505KC	94.1	437.0	100 V	W 87° 33' 16.0"	101.5	11.52
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					WMEZ Channel 231 C0 60 dBuV/m F(50,50) Service contour = 80.1 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WMEZ Channel 231 C0 100 dBuV/m F(50,10) Interfering contour = 11.6 km				
WQZX	Lic	Haynes Broadcasting, Inc.	232 A	125.0	3.9 H	N 31° 54' 40.0"	0.2	165.3	50.23
Greenville		AL	BMLH-19950817KA	94.3	244.0	3.9 V	W 86° 36' 19.0"	180.2	115.1
Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					WQZX Channel 232 A 60 dBuV/m F(50,50) Service contour = 28.3 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WQZX Channel 232 A 54 dBuV/m F(50,10) Interfering contour = 43.3 km				
W233BH	App	Florida State University	233 FT		0.17 H	N 30° 25' 12.0"	0.0	0.000	29.75
Fort Walton Beach		FL	BPFT-20030317BQF	94.5	35.0	0.17 V	W 86° 36' 44.0"	0.0	-29.8
Primary station: WKGC-FM Panama City, FL; Assumed HAAT: 32 m									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					W233BH Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.6 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W233BH Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 22.1 km				
W233BH	CP	Florida State University	233 FT		0.17 H	N 30° 25' 12.0"	0.0	0.000	29.75
Fort Walton Beach		FL	BPFT-20030829AUG	94.5	35.0	0.17 V	W 86° 36' 44.0"	0.0	-29.8
Primary station: WKGC-FM Panama City, FL; Assumed HAAT: 32 m									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					W233BH Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.6 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W233BH Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 22.1 km				
WFBX	Lic	Clear Channel Broadcasting Licen	233 C	302.0	100 H	N 29° 49' 09.0"	116.8	146.4	179.1
Parker		FL	BMLH-19960322KF	94.5	305.0	100 V	W 85° 15' 34.0"	297.5	-32.7
WPPT changed to WFBX 10/7/02 per #444 (10/23/02);									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					WFBX Channel 233 C 60 dBuV/m F(50,50) Service contour = 72.5 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WFBX Channel 233 C 40 dBuV/m F(50,10) Interfering contour = 172.2 km				
WFBX	App	Clear Channel Broadcasting Licen	233 C0	303.0	100 H	N 29° 49' 09.0"	116.8	146.4	179.2
Parker		FL	BPH-20070207ABJ	94.5	304.0	100 V	W 85° 15' 34.0"	297.5	-32.8
WPPT changed to WFBX 10/7/02 per #444 (10/23/02);									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					WFBX Channel 233 C0 60 dBuV/m F(50,50) Service contour = 72.6 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WFBX Channel 233 C0 40 dBuV/m F(50,10) Interfering contour = 172.3 km				
WHOD	Lic	Capital Assets, Inc.	233 C2	195.0	30 H	N 31° 28' 59.0"	316.7	163.0	139.0
Jackson		AL	BLH-19991102BM	94.5	256.0	30 V	W 87° 47' 27.0"	136.1	24.00
WHNB changed to WHOD 12/31/2004 per #484-1/10/2005; License granted 3/9/2000 per 44690-3/14/2000;									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					WHOD Channel 233 C2 60 dBuV/m F(50,50) Service contour = 52.3 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WHOD Channel 233 C2 40 dBuV/m F(50,10) Interfering contour = 132.1 km				
W234BE	CP	First Baptist Church, Inc.	234 FT		0.027 H	N 30° 30' 52.0"	74.3	39.09	14.13
Freeport		FL	BPFT-20030829AJO	94.7	96.0	0.027 V	W 86° 13' 12.0"	254.5	24.97
Primary station: WAKJ Defuniak Springs, FL; Assumed HAAT: 32 m									
Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					W234BE Channel 234 FT 60 dBuV/m F(50,50) Service contour = 4.2 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W234BE Channel 234 FT 54 dBuV/m F(50,10) Interfering contour = 5.9 km				

BIAfn/Dataworld FM Interference Study

Title: Fort Walton 233 Update

Channel: 233 FT (94.5 MHz) ERP: 0.17 kW HAAT: 35.0 m
Database: DW 3/13/2007 5:14:16 PM

Latitude: N 30° 25' 12.0"
Longitude: W 86° 36' 44.0"
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)
W234BE	App	First Baptist Church, Inc.	234 FT		0.027 H	N 30° 30' 52.0"	74.3	39.09	14.13
Freeport		FL	BPFT-20030317IGT	94.7	96.0 0.027 V	W 86° 13' 12.0"	254.5	24.97	CLEAR
Primary station: WAKJ Defuniak Springs, FL; Assumed HAAT: 32 m									
Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					W234BE Channel 234 FT 60 dBuV/m F(50,50) Service contour = 4.2 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W234BE Channel 234 FT 54 dBuV/m F(50,10) Interfering contour = 5.9 km				
WKSJ-FM	Lic	CC Licenses, LLC	235 C	521.0	98.4 H	N 30° 36' 45.0"	282.5	101.4	88.52
Mobile		AL	BLH-20060627ACX	94.9	553.0 98.4 V	W 87° 38' 43.0"	101.9	12.91	CLOSE
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					WKSJ-FM Channel 235 C 60 dBuV/m F(50,50) Service contour = 87.8 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WKSJ-FM Channel 235 C 100 dBuV/m F(50,10) Interfering contour = 12.7 km				
ALLOC			236 A	100.0	6 H	N 30° 28' 15.0"	85.1	69.04	29.01
Ebro		FL	DOC-00-43	95.1		W 85° 53' 45.0"	265.5	40.03	CLEAR
Granted effective 7/10/2000;									
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					ALLOC Channel 236 A 60 dBuV/m F(50,50) Service contour = 28.3 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					ALLOC Channel 236 A 100 dBuV/m F(50,10) Interfering contour = 2.8 km				
WASJ	Lic	Double O Radio Corporation	286 C2	102.0	50 H	N 30° 10' 44.0"	108.4	84.22	9.463
Panama City Beach		FL	BLH-19930111KE	105.1	104.0 50 V	W 85° 46' 55.0"	288.8	74.76	CLEAR
WAKT changed to WASJ 3/12/02 per #429 (4/3/02);									
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km					WASJ Channel 286 C2 91 dBuV/m F(50,50) Service contour = 8.3 km				
WDBT	Lic	Gulf South Communications, Inc.	287 C3	148.0	11.5 H	N 31° 15' 48.0"	52.7	156.0	8.114
Headland		AL	BLH-19970925KG	105.3	229.0 11.5 V	W 85° 18' 24.0"	233.4	147.9	CLEAR
WZND changed to WDBT 3/26/04 per #475 (4/29/04);									
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km					WDBT Channel 287 C3 91 dBuV/m F(50,50) Service contour = 6.9 km				

>> End of channel 233 FT study <<

BIAfn/Dataworld FM Interference Study

Title: Fort Walton 233 Update

Channel: 233 FT (94.5 MHz) ERP: 0.17 kW HAAT: 35.0 m
Database: FCC 3/14/2007 12:00:00 AM

Latitude: N 30° 25' 12.0"
Longitude: W 86° 36' 44.0"
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMSL(m)	Longitude	-from	(km)	(km)
	ADD			230 A		N 31° 57' 17.0"	340.2	181.1	29.01
CAMDEN		AL	RM-inv-06	93.9		W 87° 15' 51.0"	159.9	152.1	CLEAR

Assumed ERP: 6 kW; HAAT: 100 m

WMEZ	USE	6 JOHNSON ROAD LICENSES, INC.	231 C0			N 30° 35' 18.0"	282.0	92.36	84.13
PENSACOLA		FL		94.1		W 87° 33' 16.0"	101.5	8.221	CLOSE

Coordinates updated from LIC record BLH860505KC Downgraded to C0 for failure to submit application to retain C status. See staff's letter dated June 20, 2001; **Assumed ERP: 100 kW; HAAT: 450 m**

Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WMEZ Channel 231 C0 60 dBuV/m F(50,50) Service contour = 83.4 km
WMEZ Channel 231 C0 100 dBuV/m F(50,10) Interfering contour = 12.2 km

WMEZ	LIC	6 JOHNSON ROAD LICENSES, INC.	231 C0	405.0	100 H	N 30° 35' 18.0"	282.0	92.36	80.83
PENSACOLA		FL	BLH-19860505KC	94.1	437.0	100 V	W 87° 33' 16.0"	101.5	11.52

Downgraded to C0 for failure to submit application to retain C status. See staff's letter dated June 20, 2001

Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WMEZ Channel 231 C0 60 dBuV/m F(50,50) Service contour = 80.1 km
WMEZ Channel 231 C0 100 dBuV/m F(50,10) Interfering contour = 11.6 km

WQZX	USE	HAYNES BROADCASTING, INC.	232 A			N 31° 54' 40.0"	0.2	165.3	50.68
GREENVILLE		AL		94.3		W 86° 36' 19.0"	180.2	114.6	CLEAR

Coordinates updated from LIC record BLH860203K; **Assumed ERP: 6 kW; HAAT: 100 m**

Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WQZX Channel 232 A 60 dBuV/m F(50,50) Service contour = 28.3 km
WQZX Channel 232 A 54 dBuV/m F(50,10) Interfering contour = 43.7 km

W233BH	CP	FLORIDA STATE UNIVERSITY	233 D		0.17 H	N 30° 25' 12.0"	0.0	0.000	29.60
FORT WALTON BEACH		FL	BNPFT-20030829AUG	94.5	35.0	0.17 V	W 86° 36' 44.0"	0.0	-29.6

Primary station: WKGC-FM PANAMA CITY, FL; **Assumed HAAT: 30 m**

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

W233BH Channel 233 D 60 dBuV/m F(50,50) Service contour = 6.5 km
W233BH Channel 233 D 40 dBuV/m F(50,10) Interfering contour = 21.6 km

WFBX	LIC	CLEAR CHANNEL BROADCASTING LICEN	233 C	302.0	100 H	N 29° 49' 09.0"	116.8	146.4	179.1
PARKER		FL	BMLH-19960322KF	94.5	305.0	100 V	W 85° 15' 34.0"	297.5	-32.7

From Channel 233C Port St. Joe, FL. per D95-3

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WFBX Channel 233 C 60 dBuV/m F(50,50) Service contour = 72.5 km
WFBX Channel 233 C 40 dBuV/m F(50,10) Interfering contour = 172.2 km

WFBX	APP	CLEAR CHANNEL BROADCASTING LICEN	233 C0	303.0	100 H	N 29° 49' 09.0"	116.8	146.4	179.2
PARKER		FL	BPH-20070207ABJ	94.5	304.0	100 V	W 85° 15' 34.0"	297.5	-32.8

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WFBX Channel 233 C0 60 dBuV/m F(50,50) Service contour = 72.6 km
WFBX Channel 233 C0 40 dBuV/m F(50,10) Interfering contour = 172.3 km

WFBX	USE	CLEAR CHANNEL BROADCASTING LICEN	233 C			N 29° 49' 09.0"	116.8	146.4	204.7
PARKER		FL		94.5		W 85° 15' 34.0"	297.5	-58.3	SHORT

Assumed ERP: 100 kW; HAAT: 600 m

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WFBX Channel 233 C 60 dBuV/m F(50,50) Service contour = 91.8 km
WFBX Channel 233 C 40 dBuV/m F(50,10) Interfering contour = 197.8 km

WHOD	LIC	CAPITAL ASSETS, INC.	233 C2	195.0	30 H	N 31° 28' 59.0"	316.7	163.0	139.0
JACKSON		AL	BLH-19991102ABM	94.5	257.0	30 V	W 87° 47' 27.0"	136.1	24.00

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km

WHOD Channel 233 C2 60 dBuV/m F(50,50) Service contour = 52.3 km
WHOD Channel 233 C2 40 dBuV/m F(50,10) Interfering contour = 132.1 km

BIAfn/Dataworld FM Interference Study

Title: Fort Walton 233 Update

Channel: 233 FT (94.5 MHz) ERP: 0.17 kW HAAT: 35.0 m
Database: FCC 3/14/2007 12:00:00 AM

Latitude: N 30° 25' 12.0"
Longitude: W 86° 36' 44.0"
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)
W234BE	CP	FIRST BAPTIST CHURCH, INC.	234 D		0.027 H	N 30° 30' 52.0"	74.3	39.09	14.04
FREEPORT		FL	BNPFT-20030829AJO	94.7	96.0 0.027 V	W 86° 13' 12.0"	254.5	25.06	CLEAR
Primary station: WAKJ DEFUNIAK SPRINGS, FL; Assumed HAAT: 30 m									
Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					W234BE Channel 234 D 60 dBuV/m F(50,50) Service contour = 4.1 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					W234BE Channel 234 D 54 dBuV/m F(50,10) Interfering contour = 5.8 km				
WKSJ-FM	LIC	CC LICENSES, LLC	235 C	520.5	98 H	N 30° 36' 45.0"	282.5	101.4	88.45
MOBILE		AL	BLH-20060627ACX	94.9	553.4 98 V	W 87° 38' 43.0"	101.9	12.98	CLOSE
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					WKSJ-FM Channel 235 C 60 dBuV/m F(50,50) Service contour = 87.7 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WKSJ-FM Channel 235 C 100 dBuV/m F(50,10) Interfering contour = 12.7 km				
WBPC	APP	BAY BROADCASTING, LLC	236 C3	100.0	25 H	N 30° 26' 20.0"	88.2	76.35	39.79
EBRO		FL	BPH-20070207ABH	95.1	117.4 25 V	W 85° 49' 04.0"	268.6	36.56	CLEAR
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					WBPC Channel 236 C3 60 dBuV/m F(50,50) Service contour = 39.1 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WBPC Channel 236 C3 100 dBuV/m F(50,10) Interfering contour = 4.1 km				
WASJ	LIC	DOUBLE O RADIO CORPORATION	286 C2	102.0	50 H	N 30° 10' 44.0"	108.4	84.22	9.463
PANAMA CITY BEACH		FL	BLH-19930111KE	105.1	104.0 50 V	W 85° 46' 55.0"	288.8	74.76	CLEAR
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km					WASJ Channel 286 C2 91 dBuV/m F(50,50) Service contour = 8.3 km				
WDBT	LIC	GULF SOUTH COMMUNICATIONS, INC.	287 C3	148.0	11.5 H	N 31° 15' 48.0"	52.7	156.0	8.114
HEADLAND		AL	BLH-19970925KG	105.3	229.0 11.5 V	W 85° 18' 24.0"	233.4	147.9	CLEAR
From Channel 287A, Chattahoochee, FL per D91-2									
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km					WDBT Channel 287 C3 91 dBuV/m F(50,50) Service contour = 6.9 km				

>> End of channel 233 FT study <<