

**Florida State University
Tallahassee, FL**

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Wednesday, August 13, 2003

Dataworld FM Channel Study

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Job Title: Fort Walton Beach 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	

Dataworld FM Interference Study

Title: Fort Walton Beach 233 Update

Channel: 233 FT (94.5 MHz) Latitude: N 30° 25' 12.0"
ERP: 0.17 kW HAAT: 35.0 m Longitude: W 86° 36' 44.0"
Database: DW 8/11/2003 5:10:30 PM 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)
WMEZ	Lic	6 Johnson Road Licenses, Inc.	231 C0	405.0	100 H	N 30° 35' 18.0"	282.0	92.35	82.46
Pensacola		FL	BLH-19860505KC	94.1	437.0	100 V	W 87° 33' 16.0"	101.5	9.900
Proposed Channel 233 FT 80 dBuV/m F(50,10) Interfering contour = 2.3 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 80 dBuV/m F(50,10) Interfering contour = 40.0 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				

NEW-T	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

Assumed HAAT: 32 m

Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					NEW-T 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					NEW-T 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				

WHNB	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

WHOD-FM changed to WHNB 3/4/02 per #428 (3/13/02); 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					WHNB 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					WHNB Channel 233 C2 40 dBuV/m F(50,10) Interfering contour = 132.1 km				

NEW-T	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

Assumed HAAT: 32 m

Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					NEW-T 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					NEW-T Channel 234 FT 54 dBuV/m F(50,10) Interfering contour = 5.9 km				

WKSJ-FM	Lic	Clear Channel Broadcasting Licen	235 C	474.0	100 H	N 30° 37' 35.0"	283.3	101.9	87.43
Mobile		AL	BLH-19910214KC	94.9	508.1	100 V	W 87° 38' 50.0"	102.8	14.51

Proposed Channel 233 FT 80 dBuV/m F(50,10) Interfering contour = 2.3 km					WKSJ-FM Channel 235 C 60 dBuV/m F(50,50) Service contour = 85.1 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WKSJ-FM Channel 235 C 80 dBuV/m F(50,10) Interfering contour = 43.9 km				

ALLOC			236 A			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;; **Assumed ERP: 6 kW; HAAT: 100 m**

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	Waitt Broadcasting of Florida, L	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

WAKT changed to WASI 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				
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Dataworld FM Interference Study

Title: Fort Walton Beach 233 Update

Channel: 233 FT (94.5 MHz) Latitude: N 30° 25' 12.0"
ERP: 0.17 kW HAAT: 35.0 m Longitude: W 86° 36' 44.0"
Database: DW 8/11/2003 5:10:30 PM 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)
WZND	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									

WBCD changed to WZND 8/23/02 per #441 (9/11/02);
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km WZND Channel 287 C3 91 dBuV/m F(50,50) Service contour = 6.9 km

>> End of channel 233 FT study <<

Dataworld FM Interference Study

Title: Fort Walton Beach 233 Update

Channel: 233 FT (94.5 MHz) Latitude: N 30° 25' 12.0" ERP: 0.17 kW HAAT: 35.0 m Longitude: W 86° 36' 44.0"
Database: FCC 8/13/2003 1:34:48 AM 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 D	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
Proposed Channel 233 FT 100 dBuV/m F(50,10) Interfering contour = 0.7 km					W230AM Channel 230 D 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 D 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	92.36	82.46
PENSACOLA		FL	BLH-19860505KC	94.1	437.0	100 V	W 87° 33' 16.0"	101.5	9.900
Proposed Channel 233 FT 80 dBuV/m F(50,10) Interfering contour = 2.3 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 80 dBuV/m F(50,10) Interfering contour = 40.0 km				
ALLOC	USE	6 JOHNSON ROAD LICENSES, INC.	231 C0			N 30° 35' 18.0"	282.0	92.36	85.76
PENSACOLA		FL	94.1			W 87° 33' 16.0"	101.5	6.598	CLOSE
Assumed ERP: 100 kW; HAAT: 450 m									
Proposed Channel 233 FT 80 dBuV/m F(50,10) Interfering contour = 2.3 km					ALLOC Channel 231 C0 60 dBuV/m F(50,50) Service contour = 83.4 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					ALLOC Channel 231 C0 80 dBuV/m F(50,10) Interfering contour = 42.6 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				
NEW	APP	FLORIDA STATE UNIVERSITY	233 D		0.17 H	N 30° 25' 12.0"	0.0	0.000	29.60
FORT WALTON BEACH		FL	BNPFT-20030317BQF	94.5	35.0	0.17 V	W 86° 36' 44.0"	0.0	-29.6
Assumed HAAT: 30 m									
Proposed Channel 233 FT 40 dBuV/m F(50,10) Interfering contour = 23.1 km					NEW Channel 233 D 60 dBuV/m F(50,50) Service contour = 6.5 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					NEW 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
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				
ALLOC	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					ALLOC Channel 233 C 60 dBuV/m F(50,50) Service contour = 91.8 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					ALLOC Channel 233 C 40 dBuV/m F(50,10) Interfering contour = 197.8 km				
WHNB	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					WHNB 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					WHNB Channel 233 C2 40 dBuV/m F(50,10) Interfering contour = 132.1 km				
NEW	APP	FIRST BAPTIST CHURCH, INC.	234 D		0.027 H	N 30° 30' 52.0"	74.3	39.09	14.04
FREEPORT		FL	BNPFT-20030317IGT	94.7	96.0	0.027 V	W 86° 13' 12.0"	254.5	25.06
Assumed HAAT: 30 m									
Proposed Channel 233 FT 54 dBuV/m F(50,10) Interfering contour = 9.9 km					NEW 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					NEW Channel 234 D 54 dBuV/m F(50,10) Interfering contour = 5.8 km				

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Database: FCC 8/13/2003 1:34:48 AM Safety Zone: 26.0 km

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City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)
WKSJ-FM	LIC	CLEAR CHANNEL BROADCASTING LICEN	235 C	474.0	100 H	N 30° 37' 35.0"	283.3	101.9	87.43
MOBILE		AL	BLH-19910214KC	94.9	508.0	100 V	W 87° 38' 50.0"	102.8	14.51
Proposed Channel 233 FT 80 dBuV/m F(50,10) Interfering contour = 2.3 km					WKSJ-FM Channel 235 C 60 dBuV/m F(50,50) Service contour = 85.1 km				
Proposed Channel 233 FT 60 dBuV/m F(50,50) Service contour = 6.9 km					WKSJ-FM Channel 235 C 80 dBuV/m F(50,10) Interfering contour = 43.9 km				
ALLOC	VAC			236 A		N 30° 28' 15.0"	85.1	69.04	29.01
EBRO		FL	RM-9833	95.1		W 85° 53' 45.0"	265.5	40.03	CLEAR

Assumed ERP: 6 kW; HAAT: 100 m

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	WAITT BROADCASTING OF FLORIDA, L	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
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				
WZND	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
Proposed Channel 233 FT 91 dBuV/m F(50,10) Interfering contour = 1.2 km					WZND Channel 287 C3 91 dBuV/m F(50,50) Service contour = 6.9 km				

>> End of channel 233 FT study <<