

W223CB(CP)

Latitude: 27-32-29 N

Longitude: 081-30-41 W

WFL(AM)

Latitude: 26-09-13 N

Longitude: 080-04-42 W

WFL(AM), 1400 kHz, Ft. Lauderdale, FL
Showing the 250-Mile Radius Includes
W223CB(CP), Sebring, FL

WFL(AM)
250-mile radius

⊕ W223CB(CP)

⊕ WFL(AM)

Scale 1:4,500,000

0 60 120 180 km

W223CB

Latitude: 26-22-12 N
Longitude: 080-10-23 W
ERP: 0.25 kW
Channel: 262
AMSL Height: 150.0 m
Elevation: 3.9 m
Horiz. Pattern: Directional

WFL(AM)

Latitude: 26-09-13 N
Longitude: 080-04-42 W
ERP: 1.00 kW
Frequency: 1400 kHz
RMS at 1 km: 344.4 mV/m
Horiz. Pattern: Omni

Translator, Channel 262, Ft. Lauderdale, FL
F(50,50) 60 dBu Contour

WFL(AM), 1400 kHz, Ft. Lauderdale, FL
Daytime 2 mV/m Contour and
25-mile Radius From the Transmitter

WFL(AM)
25-mile radius

WFL(AM)
Daytime 2 mV/m

⊕ W223CB

⊕ WFL(AM)

Proposed
F(50,50) 60 dBu

Scale 1:500,000

0 7 14 21 km

Proposed

Latitude: 26-22-12 N
Longitude: 080-10-23 W
ERP: 0.25 kW
Channel: 262
AMSL Height: 150.0 m
Elevation: 3.9 m
Horiz. Pattern: Directional

WLML-FM

BLH20140228AGS
Latitude: 26-45-42 N
Longitude: 080-04-42 W
ERP: 4.00 kW
Channel: 262
AMSL Height: 118.0 m
Elevation: 5.0 m
Horiz. Pattern: Omni

WQNB-LP

BMPL20160811ADZ
Latitude: 25-55-42.90 N
Longitude: 080-11-15.10 W
ERP: 0.047 kW
Frequency: 100.3 MHz
AMSL Height: 44.4 m
Elevation: 2.4 m
Horiz. Pattern: Omni

W223CB, Channel 262
Ft. Lauderdale, FL
Protected and Interfering Contours

WLML-FM

WLML-FM
F(50,50) 60 dBu

Proposed
F(50,10) 40 dBu

W223CB

WQNB-LP
F(50,50) 60 dBu

WQNB-LP

Scale 1:500,000

0 7 14 21 km

**Engineering Statement
In Support of a
Translator Construction Permit
W223CB, Channel 262, Fort Lauderdale, FL**

FM Overlap Study (Showing no new overlap is created as a result of the pending application)

REFERENCE	CH# 262D - 100.3 MHz, Pwr= 0.25 kW DA, HAAT= 150.0 M, COR= 150 M	DISPLAY DATES
26 22 12.0 N.	Average Protected F(50-50)= 15.9 km	DATA 10-28-16
80 10 23.0 W.	Standard Directional	SEARCH 10-28-16

CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
262A Lake Park	WLML-FM	LIC FL	NCX	12.2	44.40	26 45 42.0	4.000	83.1	27.7	-42.4*	4.5
				192.2	BLH20140228AGS	80 04 42.0	115	118	Robinson Entertainment Llc		
264C0 Fort Lauderdale	WHYI-FM	LIC FL	DC	184.6	44.77	25 58 02.0	100.000	10.2	72.9	23.0	-28.7*
				4.6	BLH20050225AAQ	80 12 34.0	307	308	Clear Channel Broadcasting		
260C0 Boca Raton	WKIS	LIC FL	NC	186.3	44.73	25 58 07.0	100.000	10.2	72.6	23.2	-28.4*
				6.3	BLH20140805ACK	80 13 20.0	302	302	Cbs Radio Stations Inc.		
262C1 Plantation Key	WCTH	LIC FL	CX	194.5	161.38	24 57 34.0	100.000	153.4	57.2	-2.1	70.2
				14.3	BLH20070126AFO	80 34 30.0	141	141	Florida Keys Media, Llc		
262L1 Miami	WQNB-LP	CP FL		181.7	48.92	25 55 42.9	0.047			18.2	3.1
				1.7	BMPL20160811ADZ	80 11 15.1	42	44	Beware Inc.		

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone= , Co to 3rd adjacent.
All separation margins (if shown) include rounding.

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 restricted contour.

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W223CB, Channel 262, Fort Lauderdale, FL**

Compliance with §74.1204(d)

Signal level at the proposed tower from WHYI-FM and WKIS: **72.7 dBu**
Proposed Antenna: **Shively 6025 1-bay (cross-polarization)**

Interfering Contour: F(50,10) **112.7 dBu**
Antenna AGL: **146.1 meters**

**Height Above Ground (meters) of Adjacent Channel 262 Contour
Protecting Protecting Stations in South Florida**

