

NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)  
NEWLAND BROADCASTERS INCORPORATED - NEW

Total 60 dBu contour coverage: 1,294 persons (2010 Census block centroids), 424.6 square km (land).  
Combined (aggregate) 1st & 2nd NCE service resulting: 451 persons (34.9% pop., 45.8% area)  
1st NCE service resulting (current "white area"): 0 persons, 85.3 sq. km. (0.0% pop., 20.1% area)  
2nd NCE service resulting (current "grey area"): 451 persons, 109.2 sq. km. (34.9% pop., 25.7% area)  
More than two NCE services resulting: 843 persons, 230.1 square km.

**Table 1 - 73.509 Channel Study**  
**NEW EVERGLADES CITY, FL - NEWLAND BROADCASTERS INCORPORATED**  
**NEW November 2021 (Ch.218A proposed)**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)
215	C1	WSOR	FM	L-L2C	NAPLES	FL	US	THE MOODY BIBLE INS	328.8	64.7	61.7	3.0
217	C1	WLRN-FM	FM	L-AMD	MIAMI	FL	US	THE SCHOOL BOARD C	82.4	118.7	82.8	35.9
218	A	WJYO	FM	L-L2C	FORT MYERS	FL	US	AIRWAVES FOR JESUS,	327.1	87.7	87.6	0.1
218	A	WPSF	FM	L-L2C	CLEWISTON	FL	US	CALL COMMUNICATIO	26.0	107.2	87.2	20.0
218	C3	WPSF	FM	C-MOD	CLEWISTON	FL	US	CALL COMMUNICATIO	26.0	107.2	105.9	1.3
218	C3	WKWM	FM	L-L2C	MARATHON	FL	US	THE SCHOOL BOARD C	182.0	131.6	90.4	41.1
219	A	WMKO	FM	L-L2C	MARCO ISLAND	FL	US	THE FLORIDA GULF CO	305.4	40.2	36.9	3.3
220	C2	WMKL	FM	L-L2C	HAMMOCKS	FL	US	RADIO MARIA, INC.	99.2	56.2	26.3	29.9

Terrain data DEM: GLOBE

**Table 2 - 73.207 Channel Study**

**NEW EVERGLADES CITY, FL - NEWLAND BROADCASTERS INCORPORATED**

**NEW November 2021 (Ch.218A proposed)**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	FCC Dist.(km)	Req. Dist. (km)	Clearance (km)
221	A	WAFZ-FM	FM	L-L2C	IMMOKALEE	FL	US	GLADES MEDIA COMP,	8.6	67.7	31	36.7

Distance separations determined per §73.208(c)

The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico.

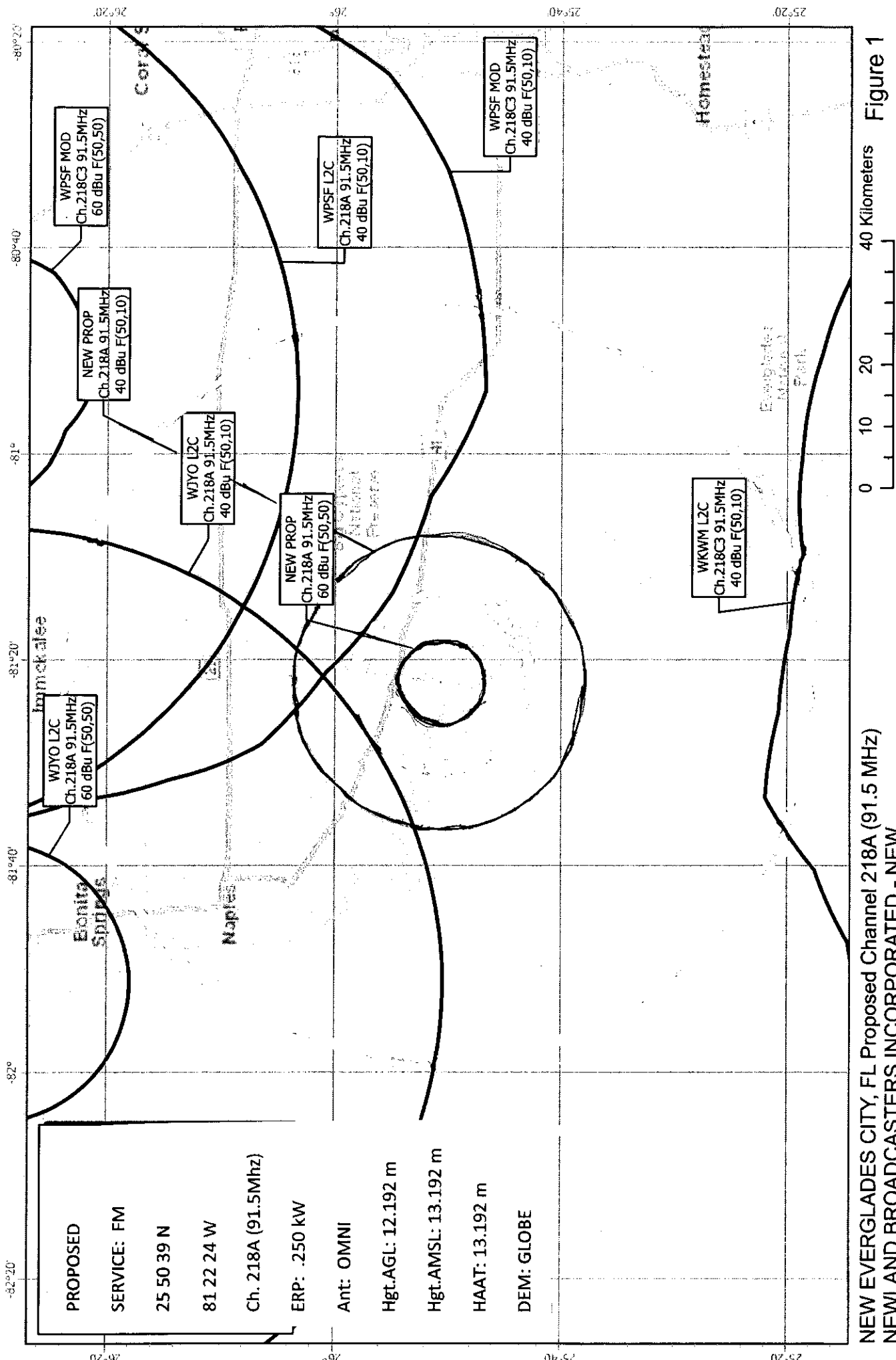


Figure 1

NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)  
 NEWLAND BROADCASTERS INCORPORATED - NEW

Co-channel showing.

-81°20'

**PROPOSED**

**SERVICE: FM**

**25 50 39 N**

**81 22 24 W**

**Ch. 218A (91.5Mhz)**

**ERP: .250 kW**

**Ant: OMNI**

**Hgt.AGL: 12.192 m**

**Hgt.AMSL: 13.192 m**

**HAAT: 13.192 m**

**DEM: GLOBE**

NEW PROP  
Ch.218A 91.5MHz  
60 dBu F(50,50)

WSOR L2C  
Ch.215C1 90.9MHz  
60 dBu F(50,50)

NEW PROP  
Ch.218A 91.5MHz  
100 dBu F(50,10)

Capitan



Ochopee

Everglades  
City

Ochopee

NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)  
NEWLAND BROADCASTERS INCORPORATED - NEW

2nd and 3rd adjacent-channel showing.

0 2.25 4.5 9 Kilometers

Figure 3

-81°40'

-81°20'

25°40'

PROPOSED

SERVICE: FM

25 50 39 N

81 22 24 W

Ch. 218A (91.5Mhz)

ERP: .250 kW

Ant: OMNI

Hgt.AGL: 12.192 m

Hgt.AMSL: 13.192 m

HAAT: 13.192 m

DEM: GLOBE

WMKO L2C  
Ch. 219A 91.7MHz  
54 dBu F(50,10)

WMKO L2C  
Ch. 219A 91.7MHz  
60 dBu F(50,50)

NEW PROP  
Ch. 218A 91.5MHz  
54 dBu F(50,10)

NEW PROP  
Ch. 218A 91.5MHz  
60 dBu F(50,50)

Copeland

Chickadee

Everglades  
City

Chickadee

NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)  
NEWLAND BROADCASTERS INCORPORATED - NEW

1st adjacent-channel showing.

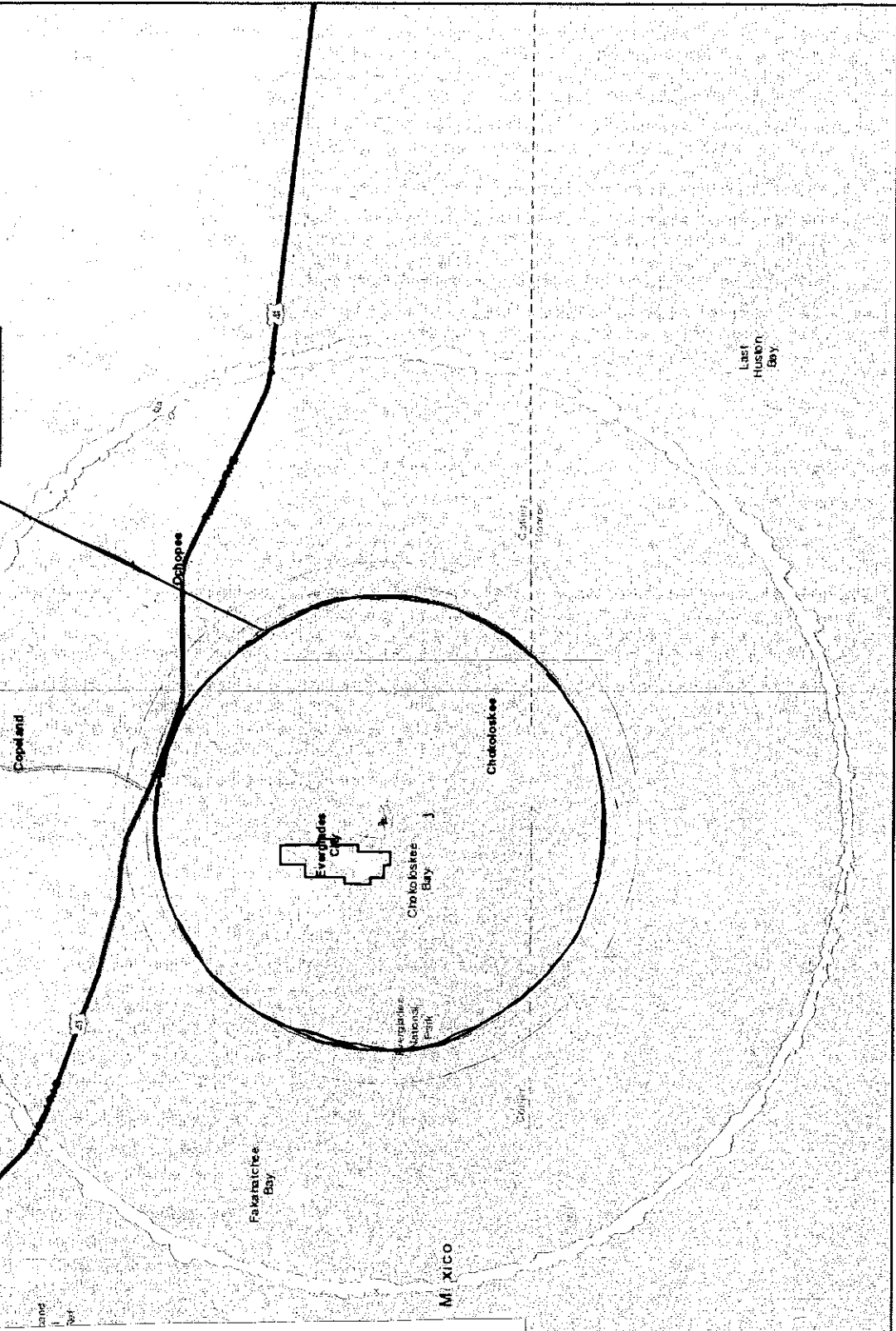
0 3.5 7 14 Kilometers

Figure 2

-81°20'

PROPOSED  
SERVICE: FM  
25 50 39 N  
81 22 24 W  
Ch. 218A (91.5Mhz)  
ERP: 250 kW  
Ant: OMNI  
Hgt.AGL: 12.192 m  
Hgt.AMSL: 13.192 m  
HAAT: 13.192 m  
DEM: GLOBE

NEW PROP  
Ch. 218A 91.5MHz  
60 dBu F(50,50)



NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)  
NEWLAND BROADCASTERS INCORPORATED - NEW

Community of license showing.

0 2.25 4.5 9 Kilometers

Figure 4

## Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL			
						within 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$ )	Max. PD environment limit (200 $\mu\text{W}/\text{cm}^2$ )	Distance to maximum PD (m)
NCE-FM (Proposed)	29	(EPA Type 1) HW	2	4.37	4.37	2.5	0.25	47.6	23.8
WBGY	29	(EPA Type 1)	1	0	1	43.7	4.37	43.7	21.9
						43.7	4.6%	47.6	45.7%
									43

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FMModel (Revised version)