

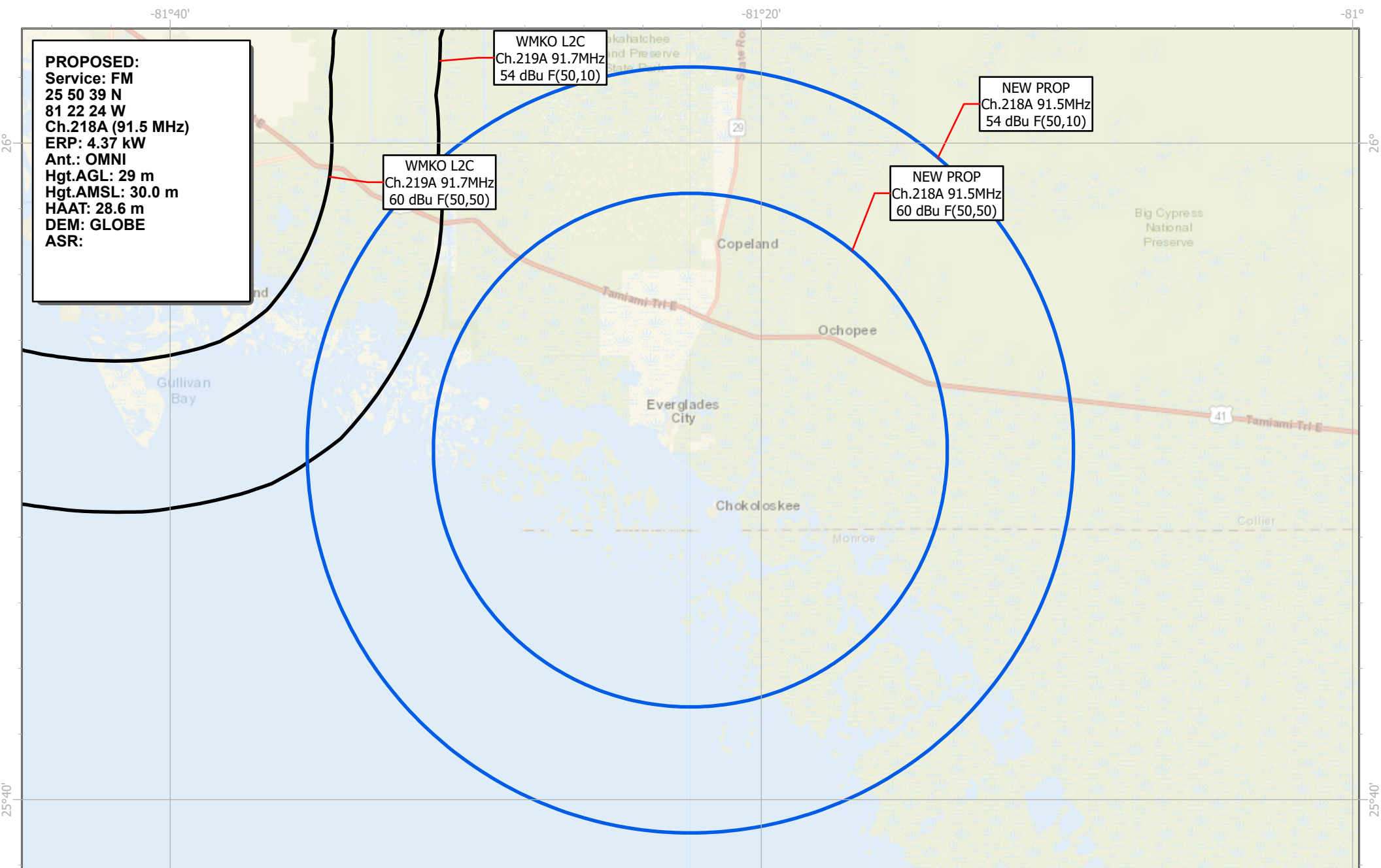
NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)
NEWLAND BROADCASTERS INCORPORATED - NEW

0 10 20 40 Kilometers

Figure 1

Co-channel showing.

Robert J. Robbins, Ph.D.
www.radiodataservices.com
radiodataservices@radiodataservices.com
(305) 234-9309

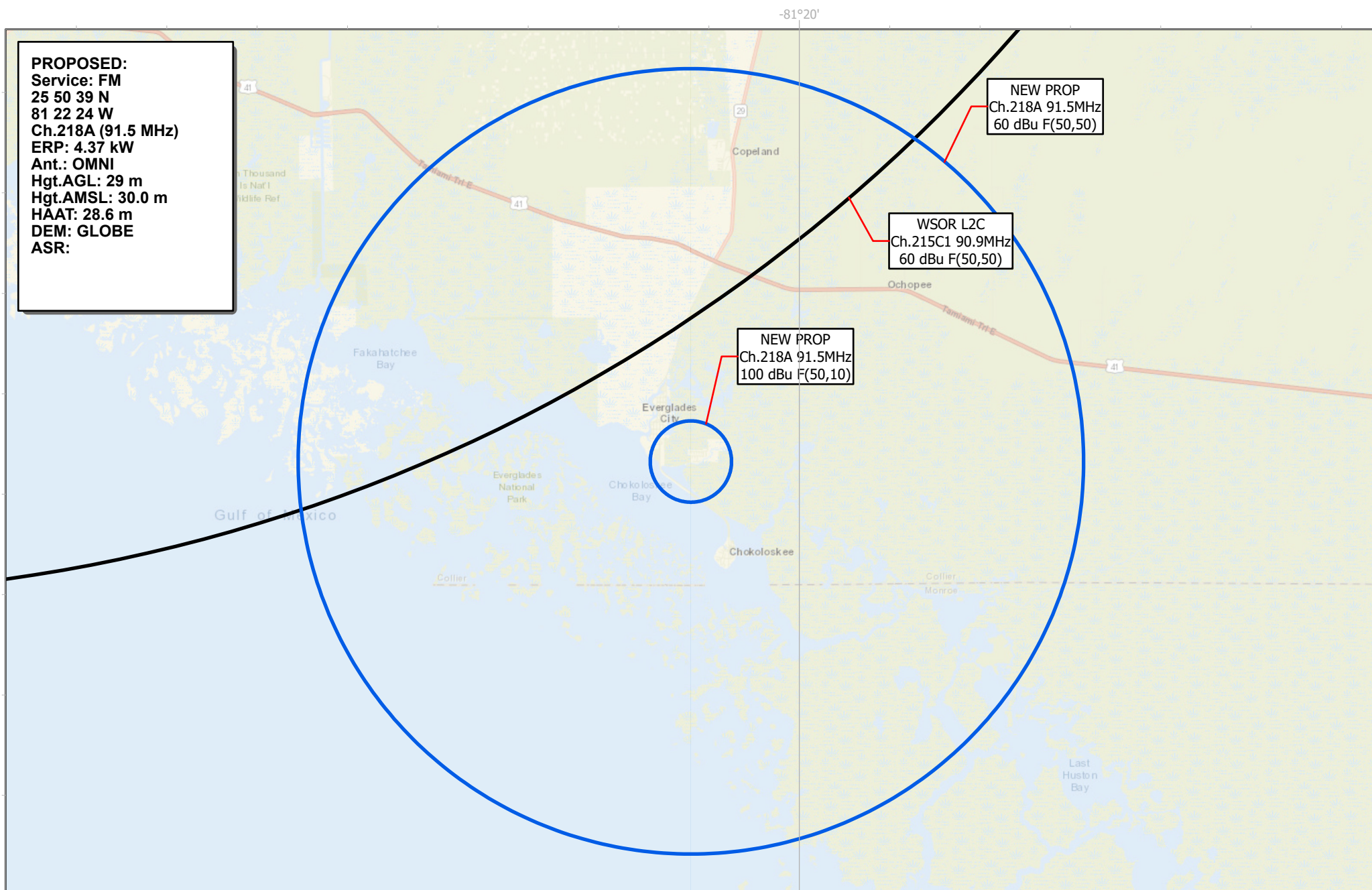


NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)
NEWLAND BROADCASTERS INCORPORATED - NEW

1st adjacent-channel showing.

Figure 2

Robert J. Robbins, Ph.D.
www.radiodataservices.com
radiodataservices@radiodataservices.com
(305) 234-9309



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

0 2.25 4.5 9 Kilometers

Figure 3

2nd and 3rd adjacent-channel showing.

Robert J. Robbins, Ph.D.
 www.radiodataservices.com
 radiodataservices@radiodataservices.com
 (305) 234-9309

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.

PROPOSED:
Service: FM
25 50 39 N
81 22 24 W
Ch.218A (91.5 MHz)
ERP: 4.37 kW
Ant.: OMNI
Hgt.AGL: 29 m
Hgt.AMSL: 30.0 m
HAAT: 28.6 m
DEM: GLOBE
ASR:

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

PROPOSED:
Service: FM
25 50 39 N
81 22 24 W
Ch.218A (91.5 MHz)
ERP: 4.37 kW
Ant.: OMNI
Hgt.AGL: 29 m
Hgt.AMSL: 30.0 m
HAAT: 28.6 m
DEM: GLOBE
ASR:

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

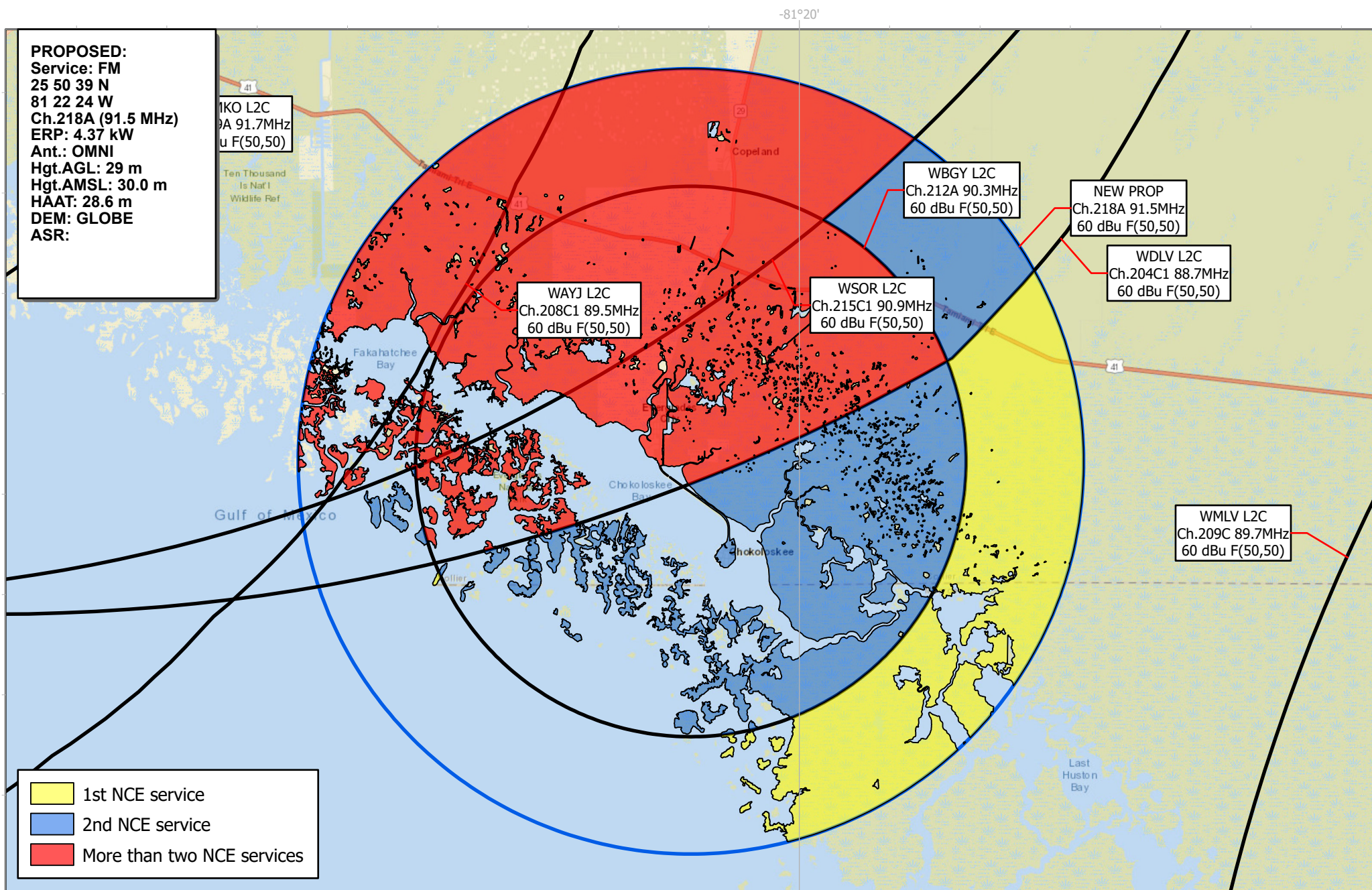
NEW EVERGLADES CITY, FL Proposed Channel 218A (91.5 MHz)
NEWLAND BROADCASTERS INCORPORATED - NEW

Community of license showing.

0 2.25 4.5 9 Kilometers

Figure 4

Robert J. Robbins, Ph.D.
www.radiodataservices.com
radiodataservices@radiodataservices.com
(305) 234-9309



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.

Robert J. Robbins, Ph.D.
www.radiodataservices.com
radiodataservices@radiodataservices.com
 (305) 234-9309

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	% uncontrolled 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	43.0
WBGY	29	(EPA Type 1)	1	0	1	43.7	4.37	43.7	21.9	6.2
						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)