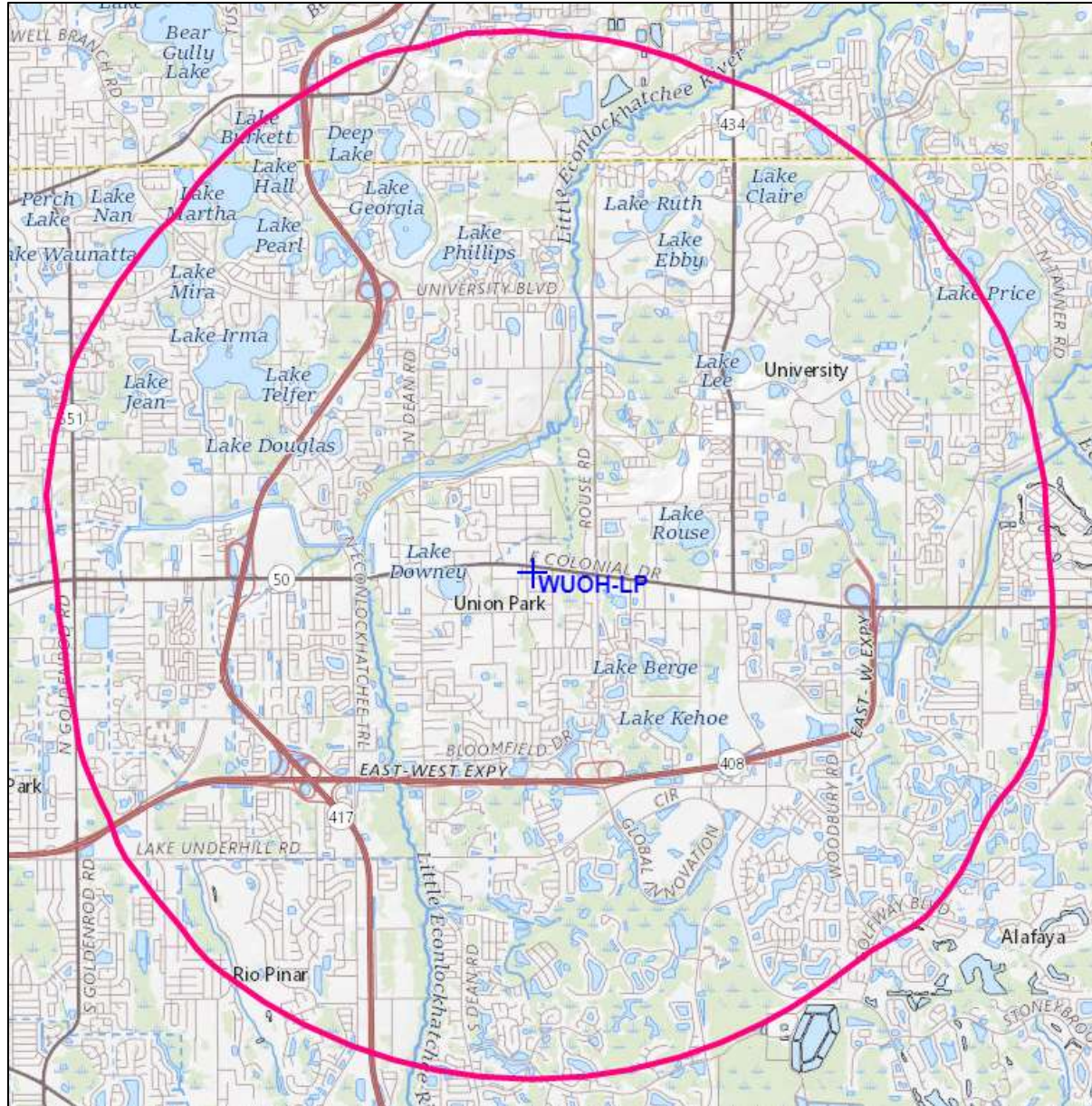




REC Networks/Michelle Bradley, CBT
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Minor Modification for WUOH-LP
ORLANDO, FL
VOZ LATINA BROADCASTING, INC.
BLL-20150423ABL

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



ORLANDO, FL – Channel 264LP100 (100.7 MHz) ~ ERP 0.014 kW

Elev: 22.3 meters ~ RCAGL: 83.5 meters ~ RCAMSL: 105.8 meters ~ HAAT: 81 m (GLOBE)

Overall tower height: 110 meters – ASR: 1034290

NAD27 Latitude: 27° 34' 07.0" NL – Longitude: 81° 13' 55.0" WL

NAD83 Latitude: 27° 34' 07.8" NL – Longitude: 81° 13' 53.8" WL.

R E C NETWORKS
CHANNEL REPORT

NAD27 LATITUDE: 28 - 34' 07.0" - LONGITUDE: 81 - 13' 55.0"
CHANNEL: 264 - CLASS: LI

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
210	89.9	WUCF-FM	ORLANDO	FL C3	3.6	0.0	3.6	47.1
		: UNIVERSITY OF CENTRAL FLORIDA						
261	100.1	WZJZ	PORT CHARLOTTE	FL C1	205.3	0.0	205.3	195.7
		: CLEAR CHANNEL BROADCASTING LICENSES, INC.						
262	100.3	WRUM	ORLANDO	FL C	15.4	93.0	-77.6	84.9
		: CLEAR CHANNEL BROADCASTING LICENSES, INC.						
264	100.7	W264DU	APOPKA	FL D6	22.4	39.0	-16.6	280.7
		: SALEM COMMUNICATIONS HOLDING CORPORATION						
		> No change in distance to this site.						
264	100.7	W264DP	DAYTONA BEACH	FL D5	75.6	32.0	43.6	11.7
		: GLENN CHERRY						
264	100.7	W264AS	MELBOURNE	FL D6	70.5	39.0	31.5	132.8
		: NATIONAL CHRISTIAN NETWORK, INC.						
264	100.7	WUOH-LP	ORLANDO	FL L1	0.0	24.0	-24.0	90.7
		: VOZ LATINA BROADCASTING INC.						
		> Currently authorized facility.						
264	100.7	WMTX	TAMPA	FL C	130.8	130.0	0.8	230.6
		: CITICASTERS LICENSES, INC.						
264	100.7	WMUV	BRUNSWICK	GA C0	254.4	122.0	132.4	349.0
		: CHESAPEAKE-PORTSMOUTH BROADCASTING CORPORATION						
264	100.7	W264DV	KISSIMMEE	FL D5	27.0	32.0	-5.0	214.0
		: UNITY BROADCASTING LLC						
		> No change in distance to this site.						
266	101.1	WJRR	COCOA BEACH	FL C	15.4	93.0	-77.6	84.9
		: CLEAR CHANNEL BROADCASTING LICENSES, INC.						
267	101.3	WTMG	WILLISTON	FL A	159.2	0.0	159.2	306.6
		: MARC RADIO GAINESVILLE, LLC						
267	101.3	WTMG	WILLISTON	FL A	159.3	0.0	159.3	306.7
		: MARC RADIO GAINESVILLE, LLC						
267	101.3	WHLG	PORT ST. LUCIE	FL A	170.9	0.0	170.9	146.9
		: WHLG FM, LLC						

LPFM SECOND ADJACENT CHANNEL WAIVER STUDY
WAIVER REQUEST §73.807(a)

WUOH-LP
Orlando, Florida
Channel 264LP100 (100.7 MHz)

The instant application is adjusting the radiation center height of the antenna to a lower position on the same tower. It is not increasing or decreasing the distance between any short-spaced stations.

The instant application is currently short-spaced to second-adjacent facilities WRUM, Orlando, Florida and WJRR, Cocoa Beach, Florida. Both WRUM and WJRR operate 95 kW from non-directional from the same tower. Both stations place a 96.3 dBu service contour at the tower site.

Utilizing GLOBE terrain data, the height above average terrain for the proposed facility has been calculated at 81 meters and thus in accordance with §73.811(a), the maximum effective radiated power has been calculated at 14 watts (0.014 kW).

Using the U/D method¹, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to WRUM and WJRR to the proposed LPFM station's 136.3 dBu interfering contour ("overlap zone"). At 14 watts, based on the free-space calculation, the overlap zone extends approximately 4 meters from the radiation center.

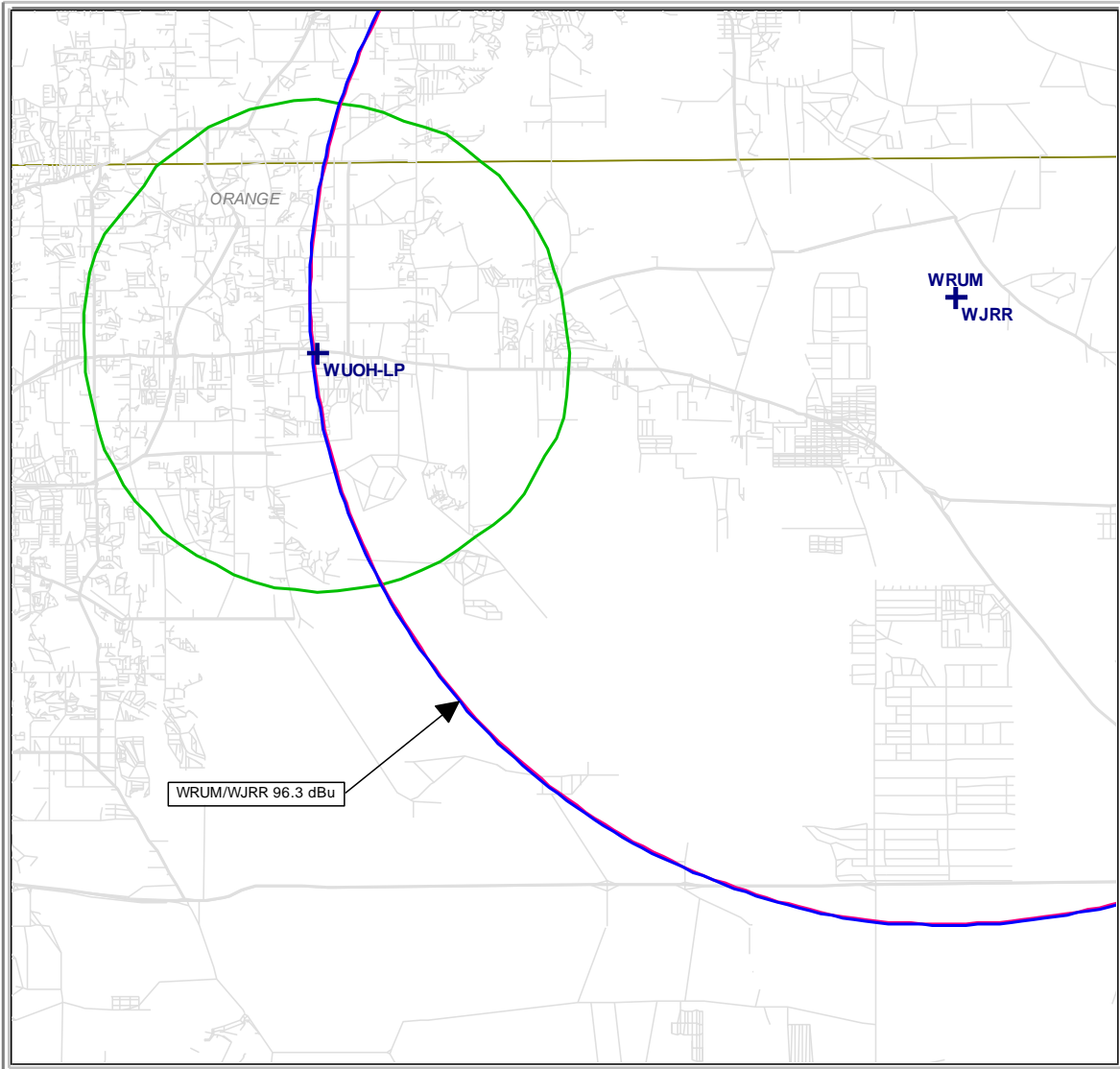
As the proposed radiation center height is 83.5 meters above ground level and there are no immediate tall buildings within a 4 meter sphere of the antenna's radiation center, the interference will not reach the ground or any other occupied area. Based on the information presented, the operation of WUOH-LP as specified in this application will not create any new interference to listeners or potential listeners of WRUM or WJRR.

The applicant requests a waiver of §73.807(a) of the Commission's Rules in respect to WRUM, Orlando, Florida and WJRR, Cocoa Beach, Florida.

Report completed by
Michelle Bradley, CBT
Founder, REC Networks
January 13, 2020

¹ - See *Living Way Ministries, Inc.* Memorandum Opinion and Order, 17 FCC Rcd 17054, 17056 (2002) at 5. *Recon denied* 23 FCC Rcd 15070 (2008).

WUOH-LP



Second adjacent channel study

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **28° 34' 7" North**
Longitude **81° 13' 55" (NAD 27)**

These coordinates convert to NAD 83 coordinates of
28° 34' 08.00", North, 81° 13' 54.24" West (NAD 83).

Height of antenna radiation center above mean sea level: **105.8 meters AMSL**

Number of Evenly Spaced Radials = **8** 0° is referenced to True North

Results

Calculated HAAT = **81 meters**

Antenna Height Above Average Terrain calculated
using 1 km [GLOBE terrain data](#)

Individual "Radial HAAT" Values, in meters

0°	88.6 m
45°	82.9 m
90°	78.2 m
135°	81.6 m
180°	80.3 m
225°	75.7 m
270°	80.3 m
315°	83.3 m