REC Networks
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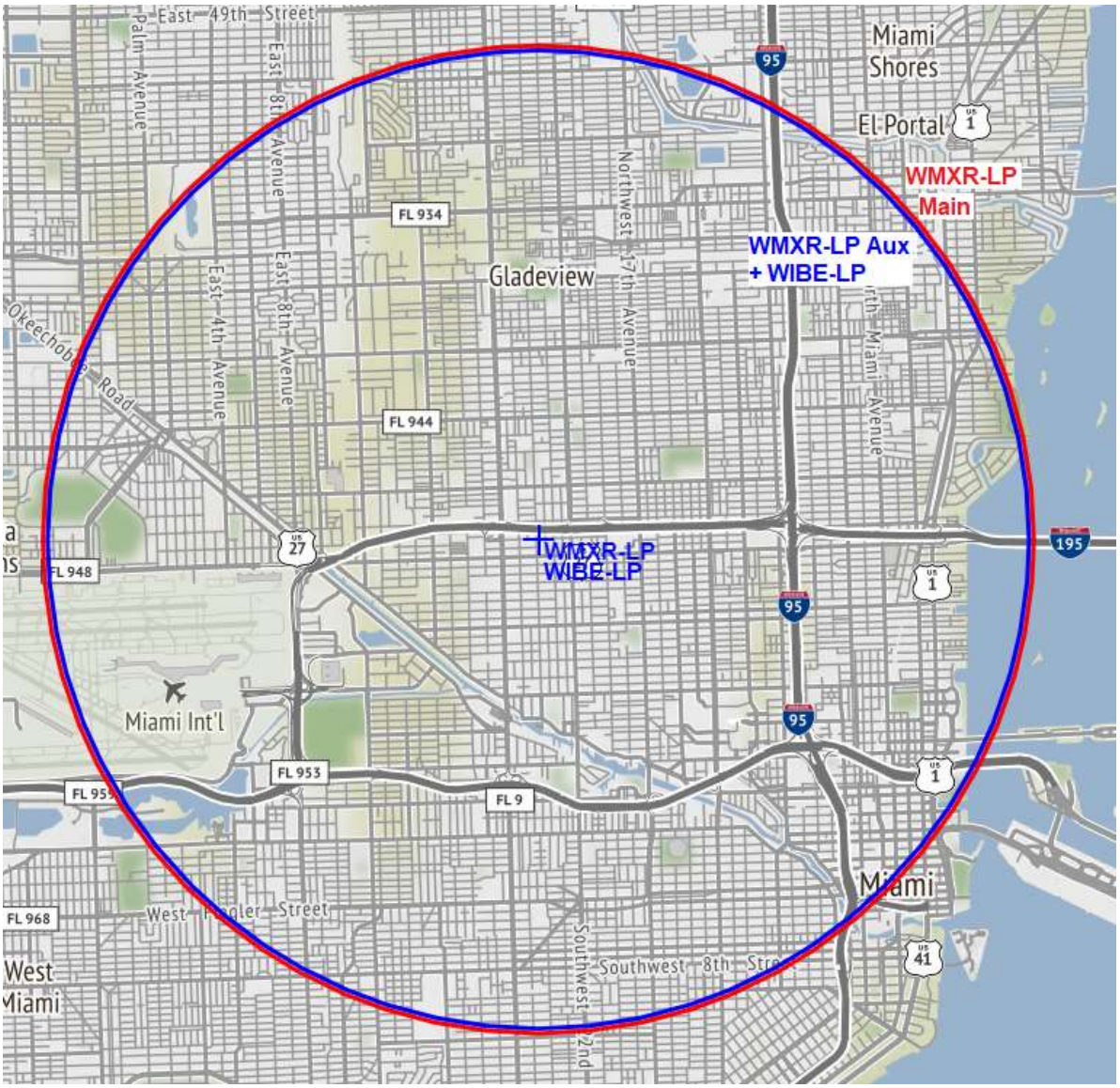
Minor Modiciation for **WMXR-LP (main & aux) and WIBE-LP**
MIAMI, FL
1MIAMI, INC. & Actions For A Better Future
BMLL-20180206AAO/BLL-20170818ABE/et al

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



MIAMI, FL (WMXR-LP main tr.) – Channel 224L1 (92.7 MHz) ~ ERP 0.064 kW
Elev: 1 meters ~ RCAGL: 40 meters ~ RCAMSL: 41 meters ~ HAAT: 38 meters (GLOBE)
(WMXR-LP aux. tr. & WIBE-LP Main tr.) – Channel 224L1 (92.7 MHz) ~ ERP 0.100 kW
Elev: 1 meters ~ RCAGL: 31 meters ~ RCAMSL: 32 meters ~ HAAT: 29 meters (GLOBE)

Overall tower height: 49 meters – ASR: 1300508
NAD83 Latitude: 25° 48’ 39.6” NL – Longitude: 80° 14’ 09.9” WL
NAD27 Latitude: 25° 48’ 38.2” NL – Longitude: 80° 14’ 10.7” WL

.

R E C NETWORKS
CHANNEL REPORT

NAD27 LATITUDE: 25 - 48' 38.2" - LONGITUDE: 80 - 14' 10.7"
CHANNEL: 224 - CLASS: L1

CHAN	FREQ	CALL	LOCATION		CLS	DIST	REQ	CLEAR	BEAR
221	92.1	WRLX	WEST PALM BEACH	FL	C3	110.7	0.0	110.7	8.2
: CAPSTAR TX, LLC, AS DEBTOR IN POSSESSION									
221	92.1	WAFZ-FM	IMMOKALEE	FL	A	125.3	0.0	125.3	304.6
: GLADES MEDIA COMPANY LLC									
221	92.1	W221AY	TAVERNIER	FL	D2	97.4	0.0	97.4	198.8
: THE SCHOOL BOARD OF MIAMI - DADE COUNTY, FL									
222	92.3	WCMQ-FM	HIALEAH	FL	C2	6.3	53.0	-46.7	130.8
: WCMQ LICENSING, INC.									
224	92.7	WAVW	STUART	FL	C2	162.3	91.0	71.3	358.2
: CAPSTAR TX, LLC, AS DEBTOR IN POSSESSION									
224	92.7	WZOP-LP	FORT LAUDERDALE	FL	L1	38.5	24.0	14.5	9.8
: HOLLYWOOD BROTHERS HELPING OTHERS, INC.									
224	92.7	WEOW	KEY WEST	FL	C1	179.6	111.0	68.6	225.6
: FLORIDA KEYS MEDIA, LLC									
226	93.1	WFEZ	MIAMI	FL	C0	17.6	84.0	-66.4	8.7
: COX RADIO, INC.									
227	93.3	WFLZ-FM	TAMPA	FL	C	300.1	0.0	300.1	318.4
: CITICASTERS LICENSES, INC., AS DEBTOR IN POSSESSION									

PURPOSE OF THESE APPLICATIONS

In this series of applications, we are increasing the overall height of the tower structure for which an Antenna Structure Registration Number (ASRN 1300508) has been granted. WMXR-LP is proposing to operate from a 4-bay antenna at 130 meters radiation center above ground level (RCAGL) with the main transmitter and antenna. In addition, there will be a 2-bay antenna at 100 meters RCAGL that will serve as the only antenna and transmitter for WIBE-LP as well as the auxiliary antenna and transmitter for WMXR-LP.

In addition, we are correcting various parameters on WMXR-LP's main and auxiliary facilities as well as WIBE-LP's facility to reflect the location in accordance with the antenna structure registration.

The instant facility is §73.807(a) short-spaced to second-adjacent channel stations WCMQ-FM, Hialeah, Florida and WFEZ, Miami, Florida. Even though the physical location of the transmitting antenna is not changing, the coordinates are slightly changing however, in accordance with §73.808 and §73.208(c), the rounded distances to WCMQ-FM and WFEZ remain the same, therefore, there is no increase in short-spacing towards either facility.

WCMQ-FM places a 98.8 dBu service contour at the WMXR-LP/WIBE-LP tower while WFEZ places a 90.5 dBu service contour at the WMXR-LP/WIBE-LP tower. As WFEZ has the weaker of the two overlapping signals, we will further evaluate it.

Using the U/D method[1], the WMXR-LP and WIBE-LP are predicted to produce an undesired interference overlap in respect to WFEZ at WMXR-LP and WIBE-LP's 130.5 dBu interfering contour ("overlap zone").

For WMXR-LP's main antenna operating at 64 watts ERP at 40 meters RCAGL, this overlap zone extends to 17 meters from the radiation center of the antenna.

For WIBE-LP's main antenna which doubles as WMXR-LP's auxiliary antenna operating at 100 watts ERP at 31 meters RCAGL, the overlap zone extends to 21 meters from the radiation center of the antenna.

The WMXR-LP/WIBE-LP tower is freestanding and does not have any adjacent tall buildings attached to it. Therefore, in the case of both antennas, the interference will not reach the ground. Therefore, there will be no interference to current or potential listeners of WCMQ-FM, Hialeah, Florida and WFEZ, Miami, Florida in accordance with §73.807(e)(1) of the rules.

Report prepared by,

Michelle Bradley
REC Networks
May 24, 2018

Any staff questions regarding the technical aspect of this application should be directed to Michelle Bradley at REC on (202)621-2040 *(Direct line accessible only to FCC staff calling from 202-418 phone numbers.)*

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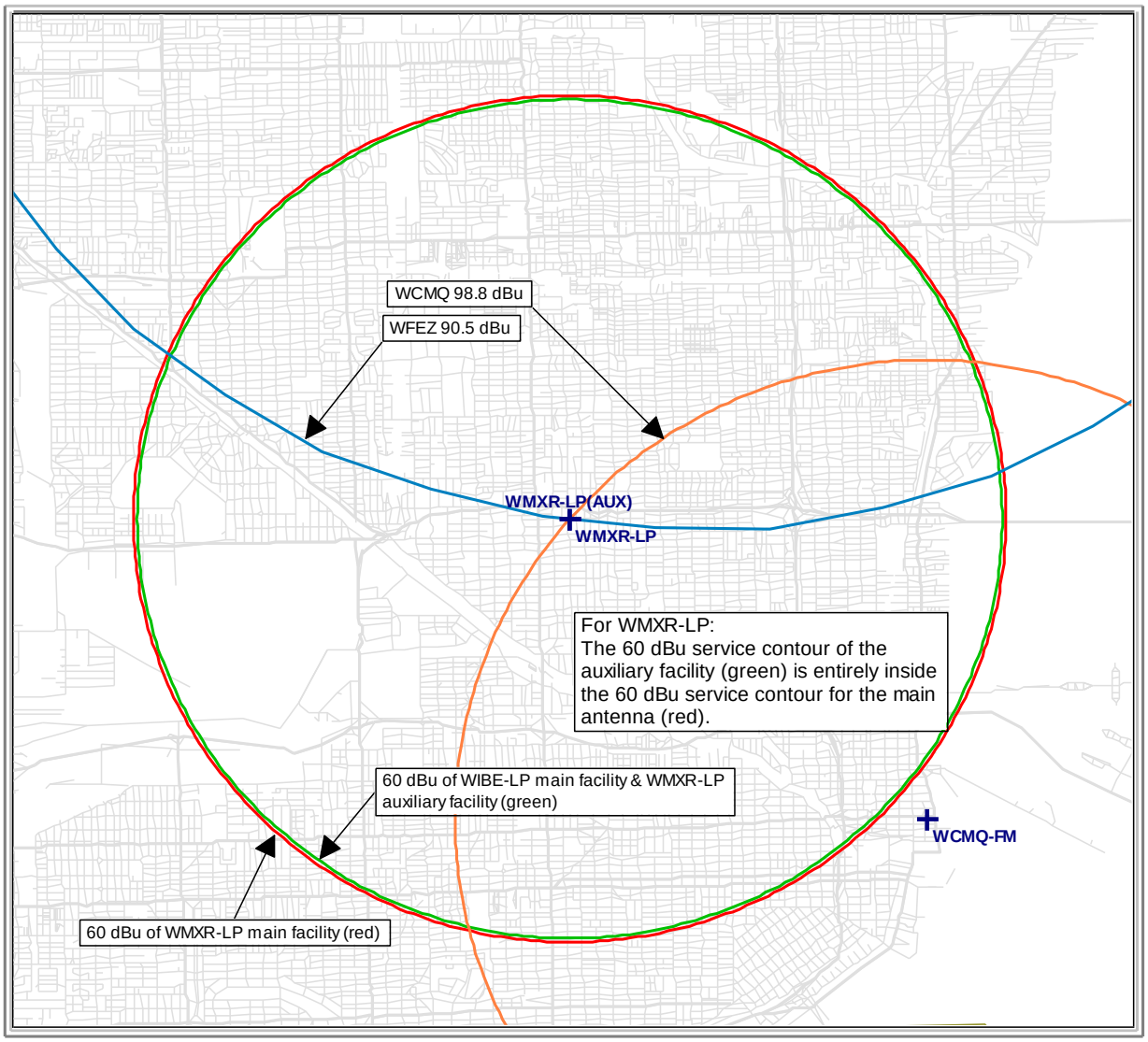
[1] - See *Living Way Ministries, Inc.* Memorandum Opinion and Order, 17 FCC Rcd 17054, 17056 (2002) at 5. *Recon denied* 23 FCC Rcd 15070 (2008).

WMXR-LP, WMXR-LP(Aux), WIBE-LP



GLOBE TERRAIN DATA

Applicant requests that height above average terrain be based on GLOBE terrain data.

WMXR-Main	WIBE-Main + WMXR-Auxiliary
Antenna Height Above Average Terrain Calculations -- Results **Input Data** Latitude **25° 48' 39.6"** North Longitude **80° 14' 9.9"** West (NAD 83) Height of antenna radiation center above mean sea level: **41** meters AMSL Number of Evenly Spaced Radials = **8** 0° is referenced to True North **Results** Calculated HAAT = **38 meters** Antenna Height Above Average Terrain calculated using 1 km GLOBE terrain data **Individual "Radial HAAT" Values, in meters** 0° 37.3 m 45° 38.8 m 90° 39.4 m 135° 39.0 m 180° 38.6 m 225° 37.1 m 270° 37.2 m 315° 37.3 m	**Antenna Height Above Average Terrain Calculations -- Results** **Input Data** Latitude **25° 48' 39.6"** North Longitude **80° 14' 9.9"** West (NAD 83) Height of antenna radiation center above mean sea level: **32** meters AMSL Number of Evenly Spaced Radials = **8** 0° is referenced to True North **Results** Calculated HAAT = **29 meters** Antenna Height Above Average Terrain calculated using 1 km GLOBE terrain data **Individual "Radial HAAT" Values, in meters** 0° 28.3 m 45° 29.8 m 90° 30.4 m 135° 30.8 m 180° 29.6 m 225° 28.1 m 270° 28.2 m 315° 28.3 m