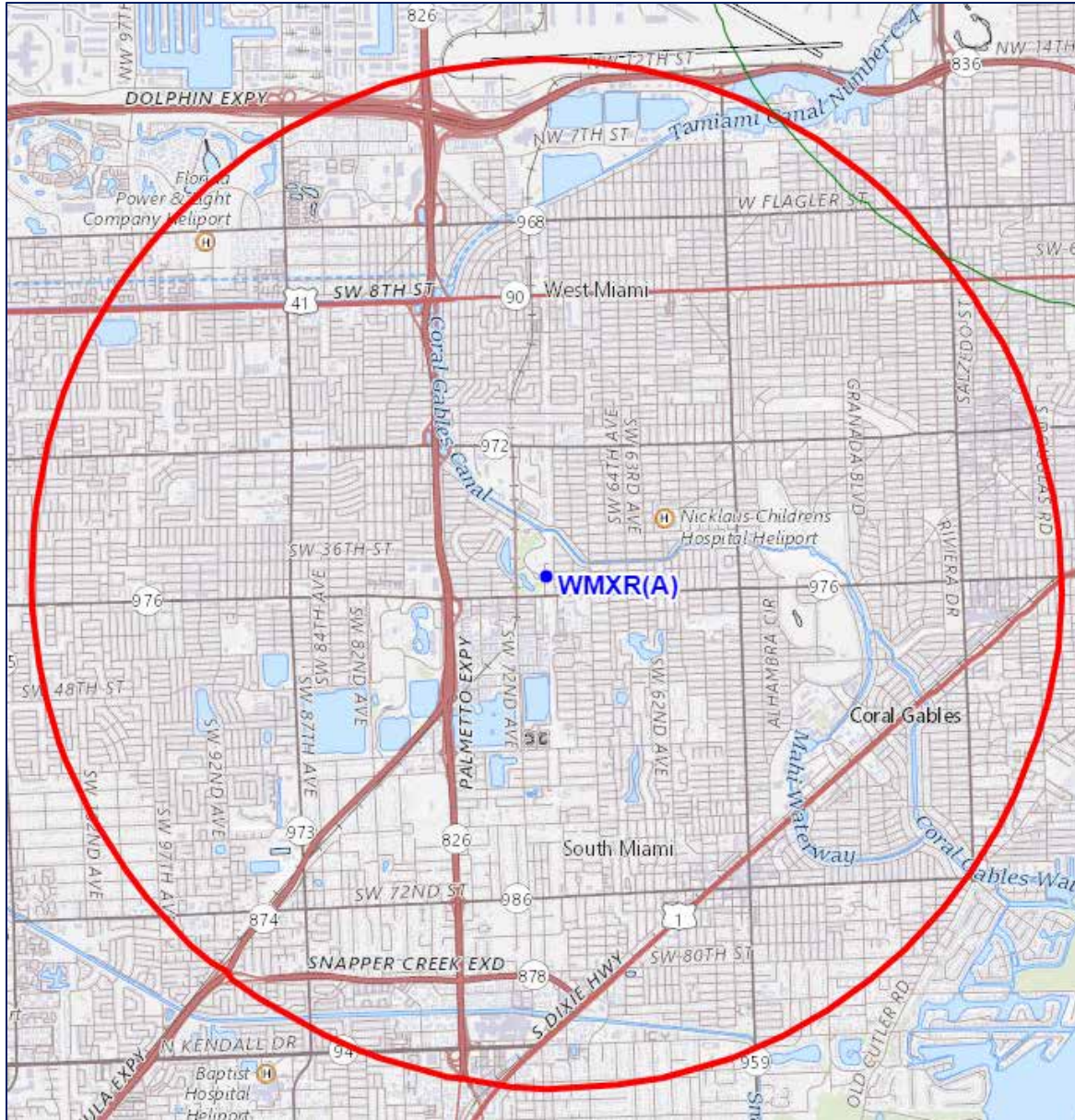




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Modification of Licensed Facility for WMXR-LP
MIAMI, FL
VIBE COMMUNITY RADIO, INC.
BLL-20180614ABF

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



MIAMI, FL ~ Channel 224LP100 (92.7 MHz) ~ ERP 0.023 kW
Elev: 3 meters ~ RCAGL: 61 meters ~ RCAMSL: 64 meters ~ HAAT: 62 meters
Overall tower height: 98.5 meters AGL ~ ASR: 1303587
NAD83 Latitude: 25° 44' 06.8" NL ~ Longitude: 80° 18' 27.7" WL
HAAT based on NED1 data from FCC Contours API.
Existing tower.

NAD83 LATITUDE: 25 - 44' 06.8" - LONGITUDE: 80 - 18' 27.7"
CHANNEL: 224 - CLASS: LP100

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
222	92.3	WCMQ-FM	MIAMI	FL C2	12.2	53.0	-40.8	75.0
: WCMQ LICENSING, INC.								
> See waiver request.								
224	92.7	WZOP-LP	FORT LAUDERDALE	FL L1	48.4	24.0	24.4	16.4
: HOLLYWOOD BROTHERS HELPING OTHERS, INC.								
224	92.7	WAVW	STUART	FL C2	170.6	91.0	79.6	0.7
: IHM LICENSES, LLC								
224	92.7	WMXR-LP	MIAMI	FL L1	11.0	24.0	-13.0	40.4
: 1MIAMI, INC.								
> Currently authorized facility.								
224	92.7	WEOW	KEY WEST	FL C1	168.6	111.0	57.6	226.0
: FLORIDA KEYS MEDIA, LLC								
226	93.1	WFEZ	MIAMI	FL C0	27.6	84.0	-56.4	20.8
: COX RADIO, LLC								
> See waiver request.								

REQUEST FOR WAIVER OF §73.807(a)
SHORT-SPACED SECOND-ADJACENT CHANNEL

WMXR-LP
Miami, Florida
Channel 224LP100 (92.7 MHz)

The proposed facility meets all distance separation requirements pursuant to §73.807 of the Commission's Rules with the exception of WCMQ-FM, Hialeah, Florida (Facility ID No. 61640) and WFEZ, Miami, Florida (Facility ID No. 40408). To address these shortcomings, the applicant submits as set forth:

WCMQ-FM operates on Channel 222C2 with 17 kW effective radiated power (ERP) at 261 meters height above average terrain (HAAT) into a nondirectional antenna. WCMQ-FM places an 87.9 dBu service contour at the proposed site.

WFEZ operates on Channel 226C0 with 100 kW ERP at 307 meters HAAT into a directional antenna. WFEZ places a 82.3 dBu service contour at the proposed site.

When evaluating multiple short-spaced second-adjacent channel stations, we continue to evaluate eligibility for a waiver by further evaluating the weakest of the stations. In this case, we will further evaluate WFEZ.

Pursuant to §73.811(a), the instant application proposes operation at 23 watts (0.023 kW).

Using the U/D method¹, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to WFEZ to the proposed LPFM station's 122.3 dBu interference contour ("overlap zone"). At 23 watts ERP, the overlap zone extends to 26 meters from the radiation center. The proposed site is an existing commercial ground-mounted stand-alone tower with no tall structures within the overlap zone. As the proposed radiation center of the instant application is 61 meters above ground level, the 26 meter overlap zone will not reach the ground level.

Based on these findings, it can be concluded that the proposed facility will not cause any interference to WCMQ-FM or WFEZ and accordingly, the applicant requests a waiver of §73.807 of the Commission's Rules in respect to WCMQ-FM, Hialeah, Florida and WFEZ, Miami, Florida.

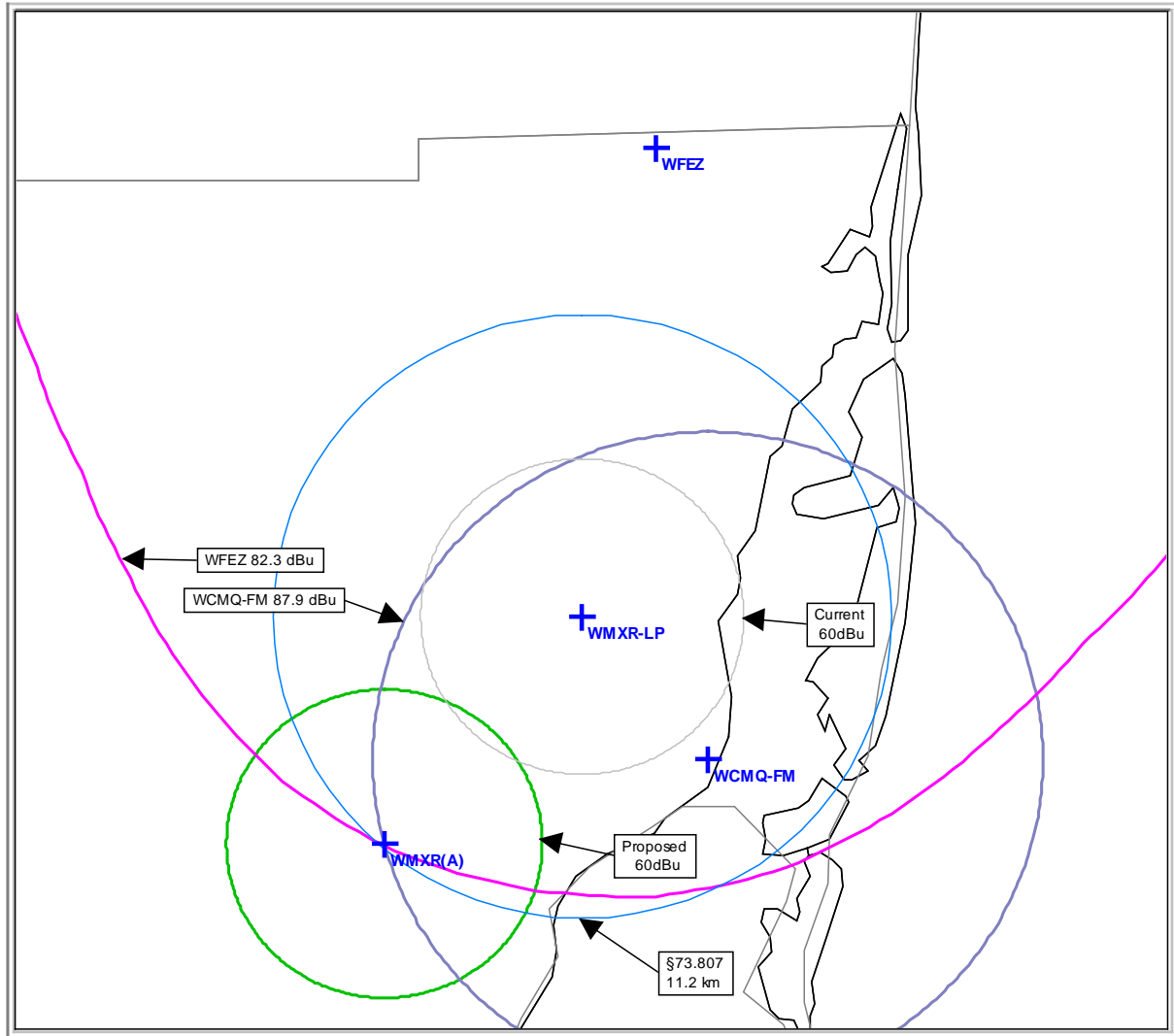
Report prepared by:

/S/
Michelle Bradley, CBT
REC Networks

August 16, 2023

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: §73.807 Short-spaced Second Adjacent / §73.870(a)(1) minor move distance



NEPA COMPLIANCE

WMXR-LP
Miami, Florida
Channel 224LP100 (92.7 MHz)

Currently, two additional non-exempt service applications have been recently granted to use this tower. As such, we must examine the impact of introducing a third radio service to this tower from an RF exposure perspective.

RCAGL	Call	kW	Antenna	Peak $\mu\text{W}/\text{cm}^2$	Peak Distance
75m	WVUM(CP)	4.4-HV	Worst case evaluated (EPA1 single bay)	32.4	19.6
65.5m	W276DV(CP)	0.099-HV	Worst case evaluated (EPA1, single bay)	1.0	17.0
61m	Instant application	0.023-HV	Worst case evaluated (EPA1, single bay)	0.3	15.8
Total potential power density on tower following all construction				33.7	

Considering all non-exempt services on this tower and utilizing the Commission's FM MODEL software, it has been determined that at no point will the power density exceed $33.7 \mu\text{W}/\text{cm}^2$ at any point. Therefore, the peak power density from this tower site does not exceed the general population/controlled exposure guideline of $200 \mu\text{W}/\text{cm}^2$.

Therefore, it can be concluded that the proposed application will result in the shared tower to continue to meet the Commission's radio frequency radiation exposure guidelines.

Prepared by

/S/
Michelle Bradley, CBT
REC Networks

August 16, 2023