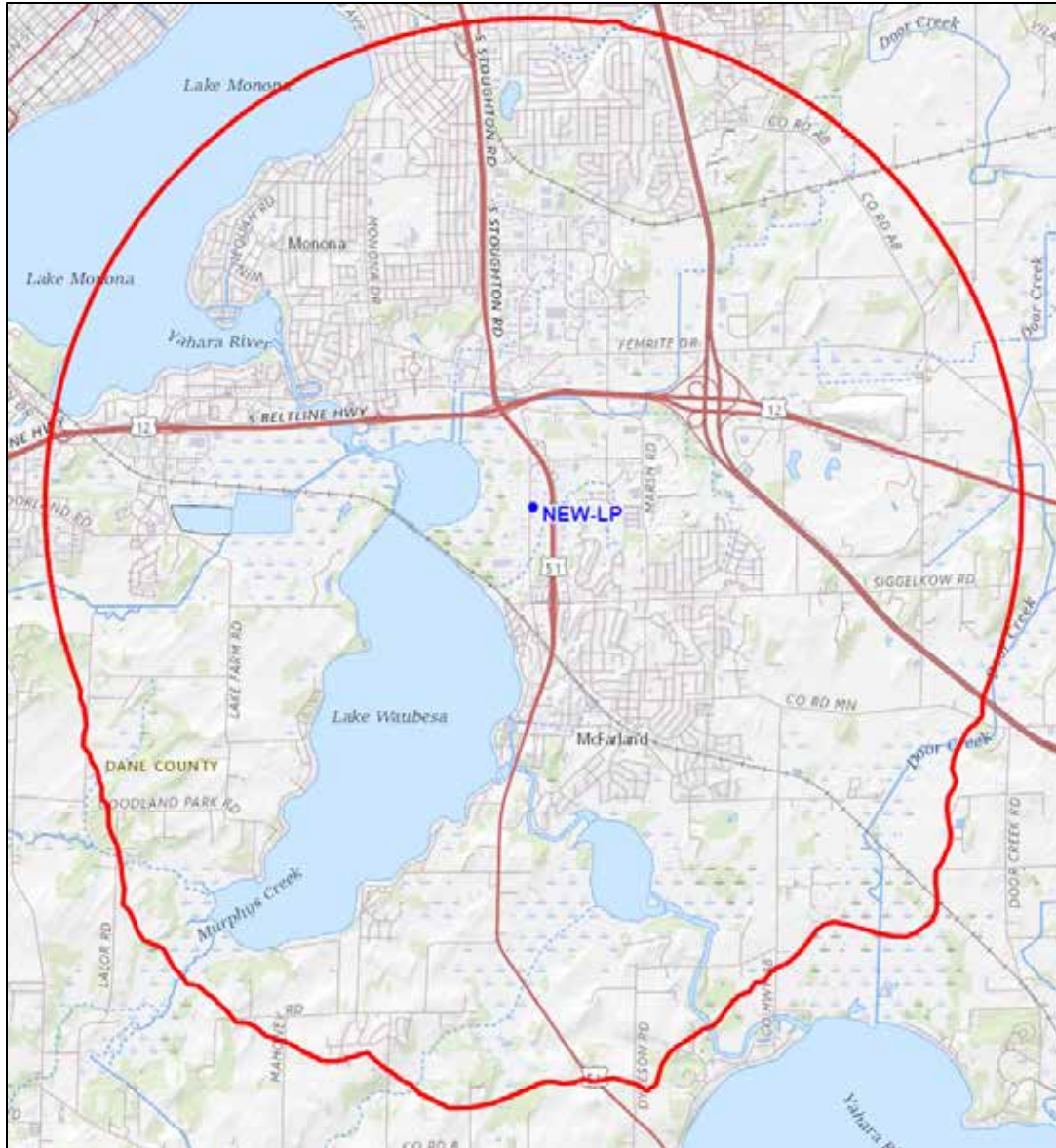




REC Networks/Michelle Bradley CBT
11541 Riverton Wharf Rd.
Mardela Springs, MD 21837
844.REC.LPFM/202.621.2355
recnet.com

Original Construction Permit Application
MC FARLAND, WI
IGLESIA PENTECOSTAL JEHOVA RAFA
Facility ID: 782486

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



MC FARLAND, WI ~ Channel 279LP100 (103.7 MHz) ~ ERP 0.100 kW
Elev: 261.7 meters ~ RCAGL: 16.3 meters ~ RCAMSL: 278 meters ~ HAAT: 3 meters
Overall tower height: 18.3 meters AGL ~ ASR: None (no nearby airports)
Support Structure: 6.1 meters
NAD83 Latitude: 43° 02' 8.6" N ~ Longitude: 89° 18' 08.3" W
No AM stations within 3 km.
Elevation and HAAT based on NED1 data from FCC Contours API.
New rooftop tower construction.

IGLESIA PENTECOSTAL JEHOVA RAFA

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)

Distance separation	<i>§73.807</i>	3
Second-adjacent channel waiver request	<i>§73.807(a)</i>	4
Educational Statement	<i>§73.503(a)</i>	8
Evidence of Corporation Status	<i>§73.503(a)</i>	9
LPFM Point System factors	<i>§73.872</i>	10
Demonstration of localism	<i>§73.853</i>	11

R E C NETWORKS
CHANNEL REPORT

NAD83 LATITUDE: 43 - 02' 08.6" - LONGITUDE: 89 - 18' 08.3"
CHANNEL: 279 - CLASS: LP100

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
277	103.3	W277EA : DAVID R. MAGNUM	WATERTOWN	WI D8	47.8	21.0	26.8	67.9
277	103.3	W277AE : EDUCATIONAL MEDIA FOUNDATION	MADISON	WI D5	16.7	14.0	2.7	269.9
277	103.3	WJOD : Townsquare License, LLC	ASBURY	IA C3	125.3	40.0	85.3	236.2
278	103.5	WLSP-LP : SUN PRAIRIE COMMUNITY FOUNDATION D. B. A. FRIENDS OF KIDS-4	SUN PRAIRIE	WI L1	16.6	14.0	2.6	21.0
278	103.5	WADR-LP : UAA	JANESVILLE	WI L1	45.3	14.0	31.3	149.4
279	103.7	WLLR-FM : IHM LICENSES, LLC	DAVENPORT	IA C0	191.6	122.0	69.6	210.5
279	103.7	WXSS : AUDACY LICENSE, LLC	WAUWATOSA	WI B	114.0	112.0	2.0	86.1
279	103.7	W279EG : BARABOO BROADCASTING CORPORATION	Reedsburg	WI D2	79.4	26.0	53.4	315.6
279	103.7	WWIB : STEWARDS OF SOUND, INC.	HALLIE	WI C1	273.6	111.0	162.6	327.7
280	103.9	WVBO : CUMULUS LICENSING LLC	WINNECONNE	WI C3	139.3	67.0	72.3	27.9
281	104.1	WZEE : IHM LICENSES, LLC > See waiver request	MADISON	WI B	15.1	67.0	-51.9	276.4

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

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)

The instant application meets all §73.807 distance separation requirements with the exception of second-adjacent channel station WZEE, Madison, Wisconsin. To address this shortcoming, we propose the following as set forth:

WZEE operates on Channel 281B with 12 kW effective radiated power (ERP) at 306 meters height above average terrain (HAAT) into a nondirectional antenna. WZEE places a 84.7 dBu service contour at the proposed transmitter site.

Using the U/D method¹, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to WZEE to the proposed LPFM station's 124.7 dBu interfering contour ("overlap zone"). At 100 watts ERP, the overlap zone extends to 41 meters from the base of the antenna structure utilizing the free space method.

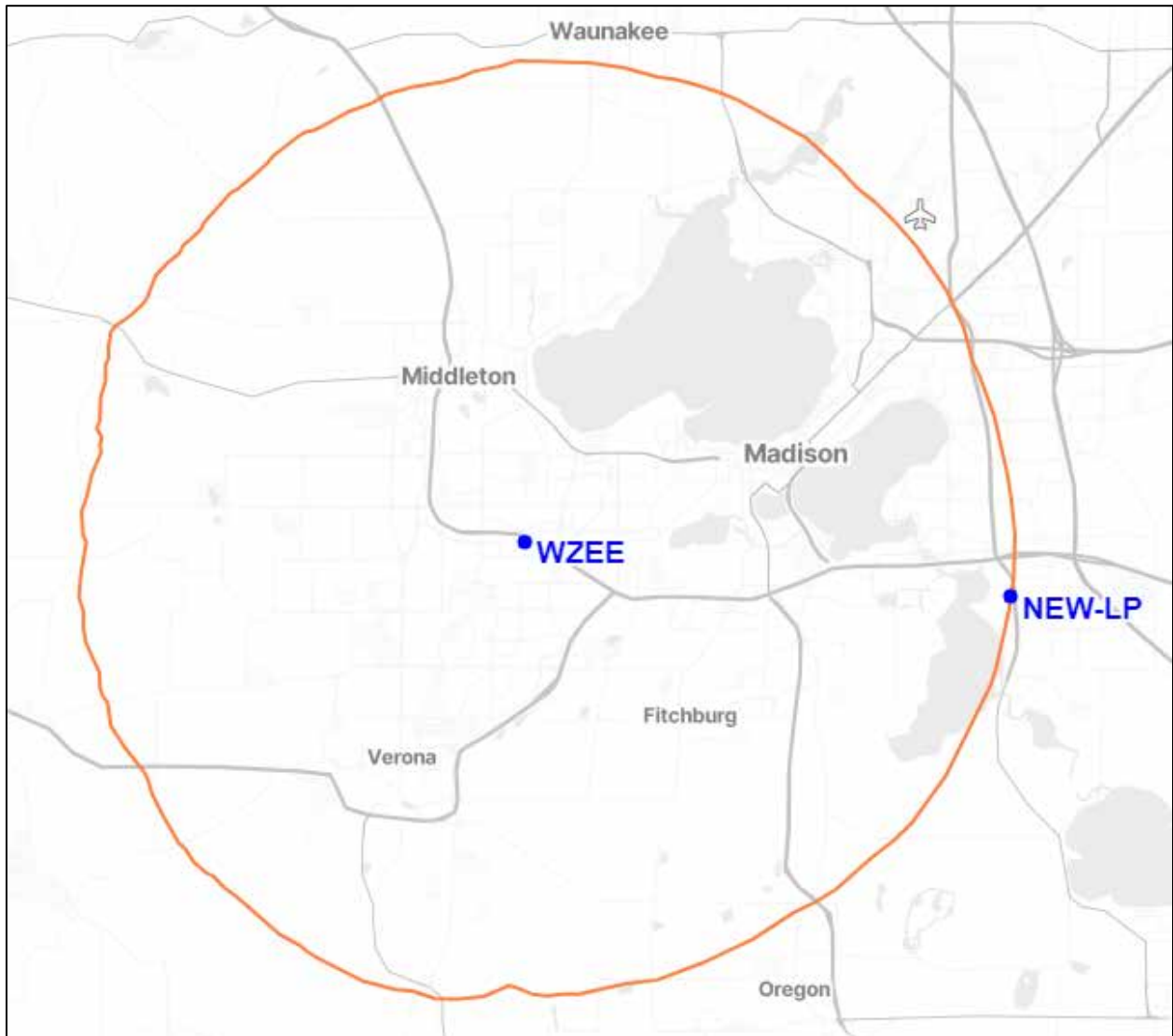
As the interference would reach the ground, the applicant can overcome the second-adjacent channel interference utilizing a two-bay Nicom BKG-77 circularly polarized antenna with half-wave spacing. Based on the manufacturer's specifications, the overlap zone would not reach any point lower than 4 meters above ground level. The antenna will be sited on a single story structure with a high ceiling, thus making the highest point of occupation at 2 meters. As the overlap zone remains entirely above occupied areas, the proposed facility will not cause interference to listeners or potential listeners of WZEE.

As we have determined that the proposed facility will not cause any interference, the applicant is requesting a waiver of §73.807(a) in respect to WZEE, Madison, Wisconsin.

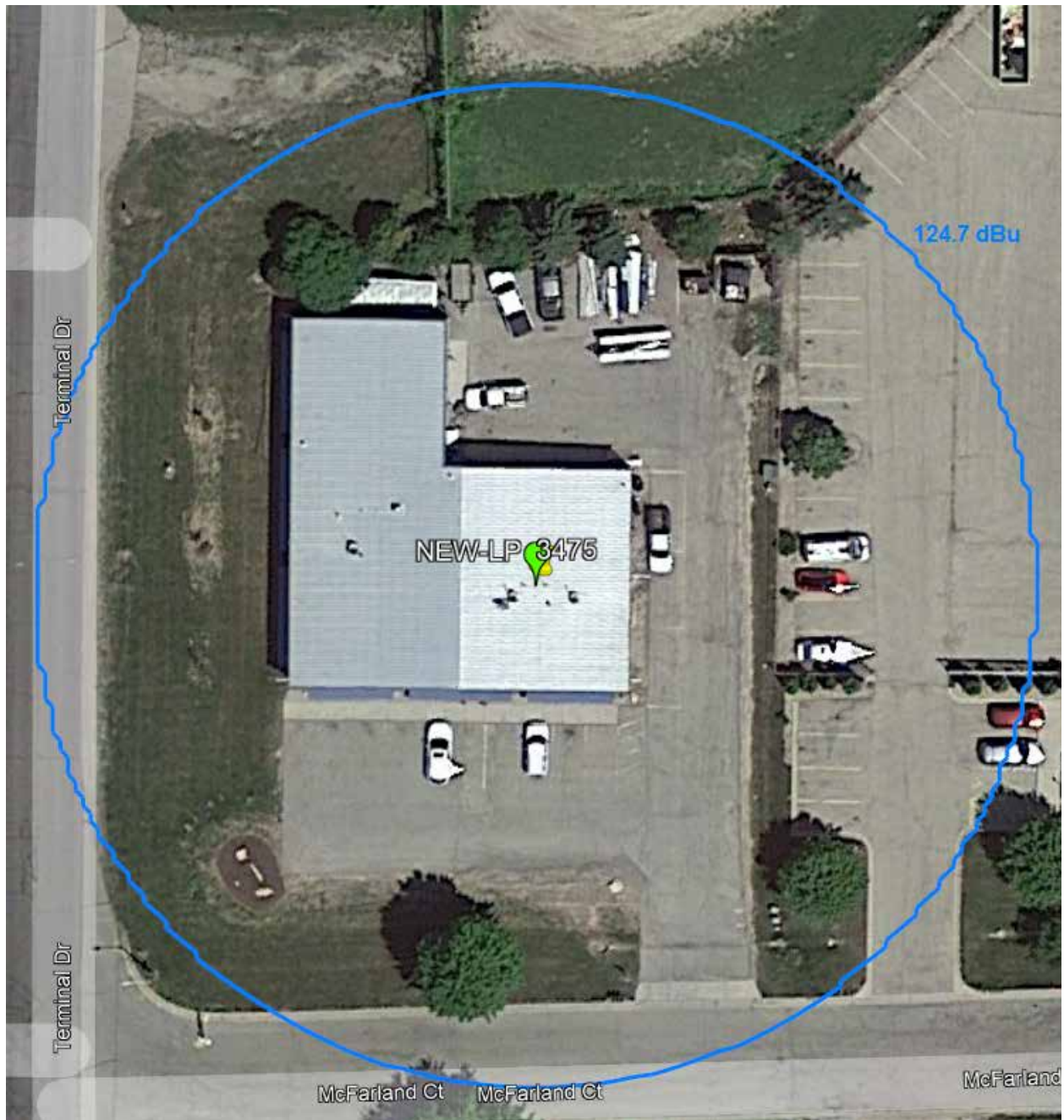
Prepared by,
/S/
Michelle Bradley, CBT
REC Networks
November 1, 2023

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).

WZEE 84.7 dBu service contour



Proposed LPFM location – overlap zone



Proposed Power:				0.1 kW				
Antenna Height AGL:				16.3 m				
Interference Contour:				124.7 dBu				
Artificial RX Antenna Height:				4 m				
Antenna Type:				Nicom BKG77/BKG88 - 2 bay Half-wave spacing				
Angle Below Horizon	Antenna Relative Field	ERP in kW	ERP in dBk	Distance from Ant to Interference Contour	Distance from Ant to Artificial Plane	Field Strength in dBu @ Artificial Plane	Distance from Ant to Ground Level	Field Strength in dBu @ Ground Level
5	0.988	0.098	-10.10	40.34	141.13	113.82	187.02	111.38
10	0.952	0.091	-10.43	38.87	70.83	119.49	93.87	117.04
15	0.881	0.078	-11.10	35.97	47.52	122.28	62.98	119.84
20	0.791	0.063	-12.04	32.30	35.96	123.77	47.66	121.32
25	0.686	0.047	-13.27	28.01	29.10	124.37	38.57	121.92
30	0.577	0.033	-14.78	23.56	24.60	124.32	32.60	121.88
35	0.463	0.021	-16.69	18.91	21.44	123.61	28.42	121.16
40	0.354	0.013	-19.02	14.45	19.14	122.26	25.36	119.82
45	0.256	0.007	-21.84	10.45	17.39	120.28	23.05	117.83
50	0.174	0.003	-25.19	7.10	16.06	117.62	21.28	115.17
55	0.110	0.001	-29.17	4.49	15.02	114.22	19.90	111.77
60	0.061	0.000	-34.29	2.49	14.20	109.58	18.82	107.13
65	0.028	0.000	-41.06	1.14	13.57	103.21	17.99	100.76
70	0.007	0.000	-53.10	0.29	13.09	91.48	17.35	89.04
75	0.004	0.000	-57.96	0.16	12.73	86.86	16.88	84.42
80	0.008	0.000	-51.94	0.33	12.49	93.05	16.55	90.61
85	0.008	0.000	-51.94	0.33	12.35	93.15	16.36	90.70
90	0.009	0.000	-50.92	0.37	12.30	94.21	16.30	91.76

EDUCATIONAL STATEMENT

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)

IGLESIA PENTECOSTAL JEHOVA RAFA was established in 2017 and has been serving as a Christian Church Nonprofit Organization for more than 6 years.

As a Nonprofit organization since the beginning to now we have many objectives that are preaching and teaching biblical teaching.

A Radio Station will expand our objectives from our organization that it will be a benefit to promote topics of Biblical education with the aim of better social stability in our community.


Making the Word of God known is our greatest desire, understanding that we must give by grace what we have received by grace, to make ourselves known as a Christian nonprofit Organization.

With our radio station we will have daily programming. We will be sharing sacred music, reflections, preaching, and teachings.

Our Goal is for many lives to benefit in a special way that will help in their spiritual progress. This will help us have united and healthy families in our city.

EVIDENCE OF CURRENT CORPORATION STATUS

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)

**Wisconsin Department of Financial Institutions**
Strengthening Wisconsin's Financial Future

DFI applications will be unavailable from Sunday 10/15/23 at 12:01 AM through Sunday 10/15/23 at

Search for:

IGLESIA PENTECOSTAL JEHOVA RAFA

Search Records

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Corporate Records

IGLESIA PENTECOSTAL JEHOVA RAFA INC.

You can: [File an Annual Report](#) - [Request a Certificate of Status](#) - [File a Registered Agent/Office Update Form](#)

Vital Statistics

Entity ID	I028166
Registered Effective Date	10/29/2012
Period of Existence	PER
Status	Restored to Good Standing Request a Certificate of Status
Status Date	10/21/2022
Entity Type	Non-Stock Corporation
Annual Report Requirements	Non-stock Corporations are required to file an Annual Report under s. 181.0214, WI Statutes.

Addresses

Registered Agent Office GILBERTO FUENTES
3844 S 85TH ST
MILWAUKEE , WI 53228
[File a Registered Agent/Office Update Form](#)

LPFM POINT FACTORS

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)

County of transmitting antenna	Market Name	Market Rank
Dane, Wisconsin	Madison, Wisconsin	89

The proposed facility will claim 5 points as set forth:

Established Community Presence – 1 point

The organization was created on October 29, 2012 and has remained locally in the community since then. Therefore, the applicant claims the established community presence point, pursuant to §73.872(b)(1).

Local Programming – 1 point

Applicant pledges to originate at least 8 hours of local programming, pursuant to Commission policies regarding the LPFM point system, pursuant to §73.872(b)(2).

Main Studio – 1 point

Applicant pledges to make available an accessible main studio, capable of program origination for a Applicant of 20 hours per week. Applicant claims the Main Studio point, pursuant to §73.872(b)(3).

Local Programming and Main Studio – 1 point

As both the Local Programming and Main Studio points are being claimed, the additional Local Programming and Main Studio "bonus" point is also claimed, pursuant to §73.872(b)(4).

Diversity of Ownership – 1 point

Applicant has no other attributable interests and therefore is eligible to claim the Diversity of Ownership point, pursuant to §73.872(b)(5) and Page 5 of the Second Window Notice.

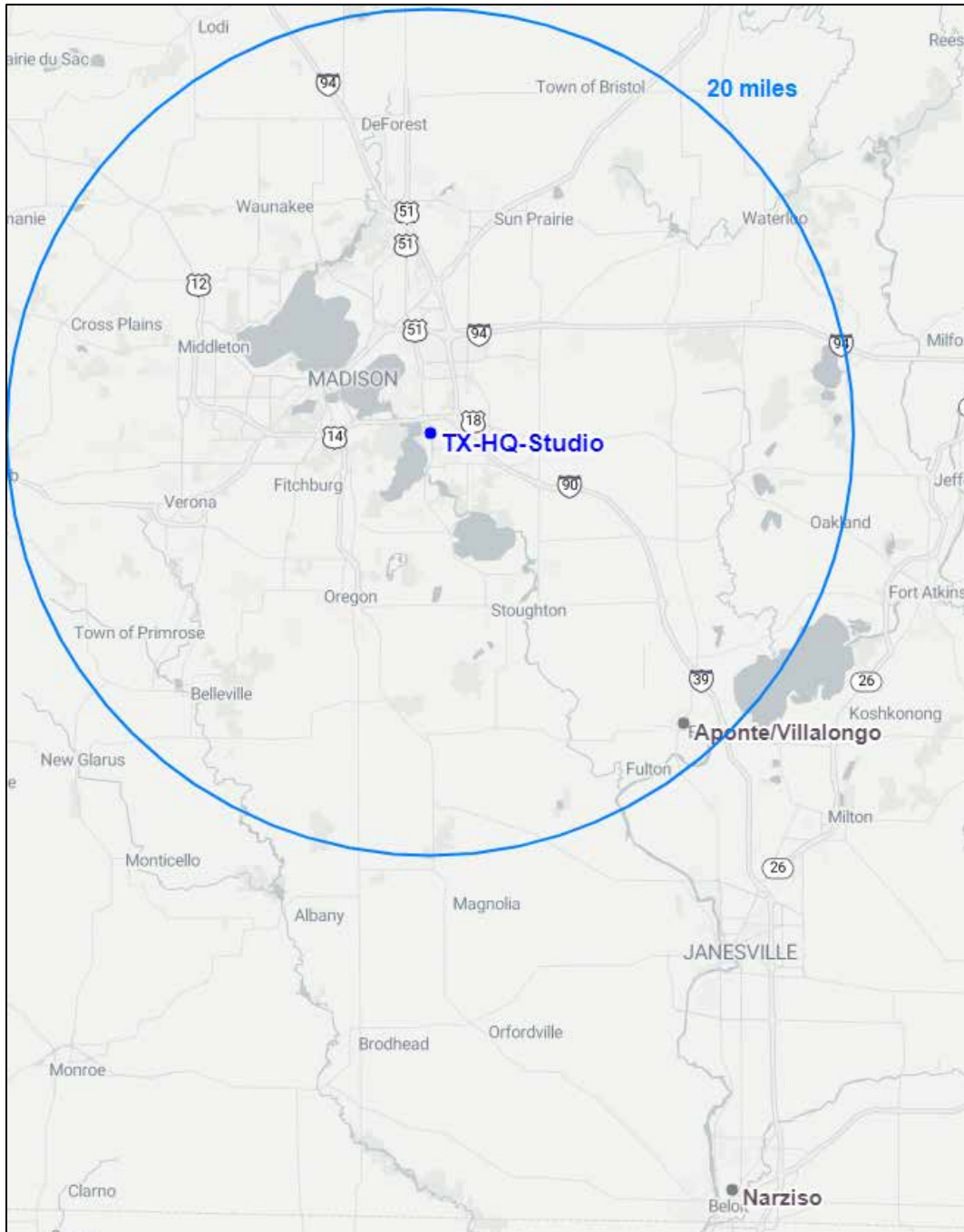
Prepared by,

/S/
Michelle Bradley, CBT
REC Networks

November 1, 2023

LOCALISM

New(LP)
Madison, Wisconsin
Channel 279LP100 (103.7 MHz)



Headquarters and main studio are co-located with the transmitter site.
66.6% of board membership resides within 20 miles of the transmitter site.