

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Lakefront Communications, LLC

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

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Station License

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Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WJYI	Not Applicable	1340 kHz	Unlimited	1.0 kW	1.0 kW

2. Station location

State Wisconsin	City or Town Milwaukee
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3. Transmitter location

State Wisconsin	County Milwaukee	City or Town Milwaukee	Street address (or other identification) 5407 West McKinley Ave.
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4. Main studio location

State Wisconsin	County Milwaukee	City or Town Milwaukee	Street address (or other identification) 5407 West McKinley Ave.
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5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)
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6. Has type-approved stereo generating equipment been installed?

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Yes

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No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?

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Yes

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No

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Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system 4.15 amperes	RF common point or antenna current (in amperes) without modulation for day system 4.15 amperes
Measured antenna or common point resistance (in ohms) at operating frequency Night 58.0 ohms Day 58.0 ohms	Measured antenna or common point reactance (in ohms) at operating frequency Night + j 312 ohms Day + 312 ohms

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day

Manufacturer and type of antenna monitor:

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9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator Six-Wire Folded Unipole Skirt mounted on a grounded, self-supported, steel lattice tower.	Overall height in meters of radiator above base insulator, or above base, if grounded. 137.5 meters	Overall height in meters above ground (without obstruction lighting) 140.5 meters	Overall height in meters above ground (include obstruction lighting) 141.4 meters	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div>Exhibit No.</div>
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Excitation

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Series

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Shunt

Antenna Structure Registration = 1033712

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude	43 °	02 '	49 "	West Longitude	87 °	58 '	52 "
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.
See Vertical Plan

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

This Form 302-AM is being filed in response to construction associated with the addition of co-located FM Translator W254CU (BPFT-20160129ANU). The Translator utilizes a new Nicom BKG/77-1(NDA) antenna and feedline mounted on the WJYI(AM) non-directional tower. As the new antenna resistance measurement varies by more than 2% subsequent to the recent construction, this Form 302-AM Direct Measurement of Power has been submitted here-in.

11. Give reasons for the change in antenna or common point resistance.

The antenna resistance has been remeasured after the addition of W254CU to the AM tower.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) Justin W. Asher	Signature (check appropriate box below) 
Address (include ZIP Code) P.O. Box 220 385 Airport Drive Coldwater, MI 49036	Date May 5, 2015 Telephone No. (Include Area Code) 1(517)278-7339

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Technical Director

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Registered Professional Engineer

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Chief Operator

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Technical Consultant

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Other (specify)

Milwaukee, WI - WJYI(AM) Vertical Plant of Antenna System

The site is located at 5407 West McKinley Avenue;
the city of Milwaukee; Milwaukee County; Wisconsin.

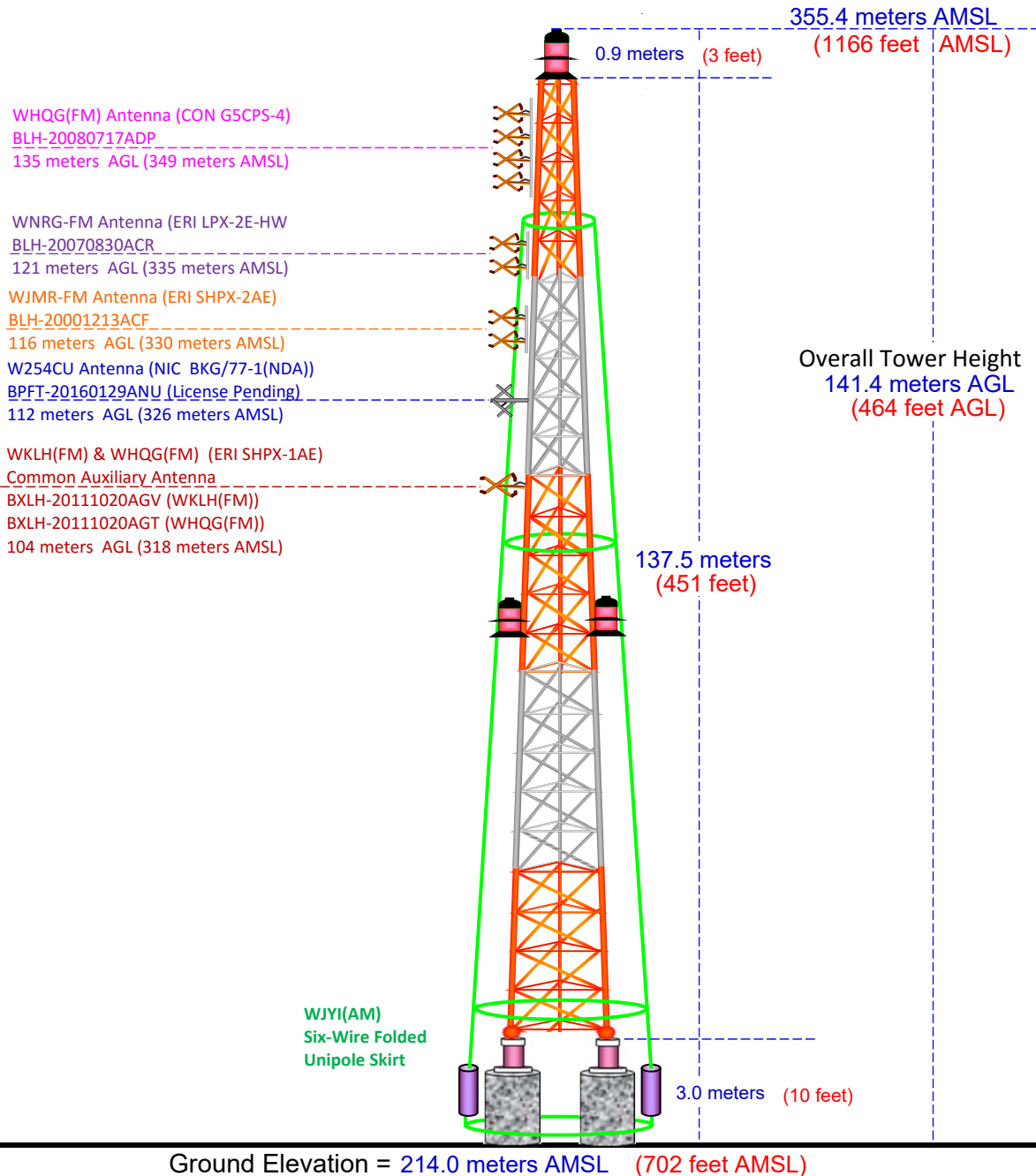
Antenna Structure Registration No.

1033712

Latitude (D M S) Longitude (D M S)

NAD 27 datum values: 43 02 48.95304 87 58 51.68756

NAD 83 datum values: 43 02 49.00000 87 58 52.00000



Ground Elevation = 214.0 meters AMSL (702 feet AMSL)

Drawing is not to Scale

Munn-Reese, Inc.

Broadcast Engineering Consultants
Coldwater, MI 49036