SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant
Light of Life Ministries, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐ Station License ☑ 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
WMDR(AM)	N/A	1340 kHz	Unlimited	1.000 kW	1.000 kW

2. Station location

State	City or Town
Maine	Augusta

3. Transmitter location

State	County	City or Town	Street address (or other identification)
Maine	Kennebec	Augusta	160 Riverside Drive

4. Main studio location

State	County	City or Town	Street address (or other identification)
Maine	Kennebec	Augusta	160 Riverside Drive

5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)

6. Has type-approved stereo generating equipment been installed? ☐ Yes ☑ No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? ☐ Yes ☐ No ☑ 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	RF common point or antenna current (in amperes) without modulation for day system
6.09 amperes	6.09 amperes

Measured antenna or common point resistance (in ohms) at operating frequency		Measured antenna or common point reactance (in ohms) at operating frequency	
Night	Day	Night	Day
27 ohms	27 ohms	+ j 38 ohms	+ j 38 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 (if directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
Guyed, uniform, cross-section steel tower mounted on a concrete base pier and insulator.	45.7 meters	46.2 meters	46.2 meters	Exhibit No.

Excitation ☑ Series (Insulated) ☐ Shunt (Grounded) ASR(NDA D1/N1) = Not Required

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

North Latitude	44 °	19 '	41 "	West Longitude	69 °	45 '	54 "

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?

No changes to the AM radiating base insulated tower have been implemented other than the addition of the W248CB.C antenna, feedline and isolation circuitry as authorized under W248CB.C - Augusta, ME Construction Permit BPFT-20180301AAN, as well as minor tower maintenance issues to existing isolation circuitry.

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

This Form 302-AM is being filed to reflect a new antenna resistance measurement associated with, and as a §73.1692(a) condition of licensing for W248CB.C - Augusta, ME Construction Permit BPFT-20180301AAN.

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.

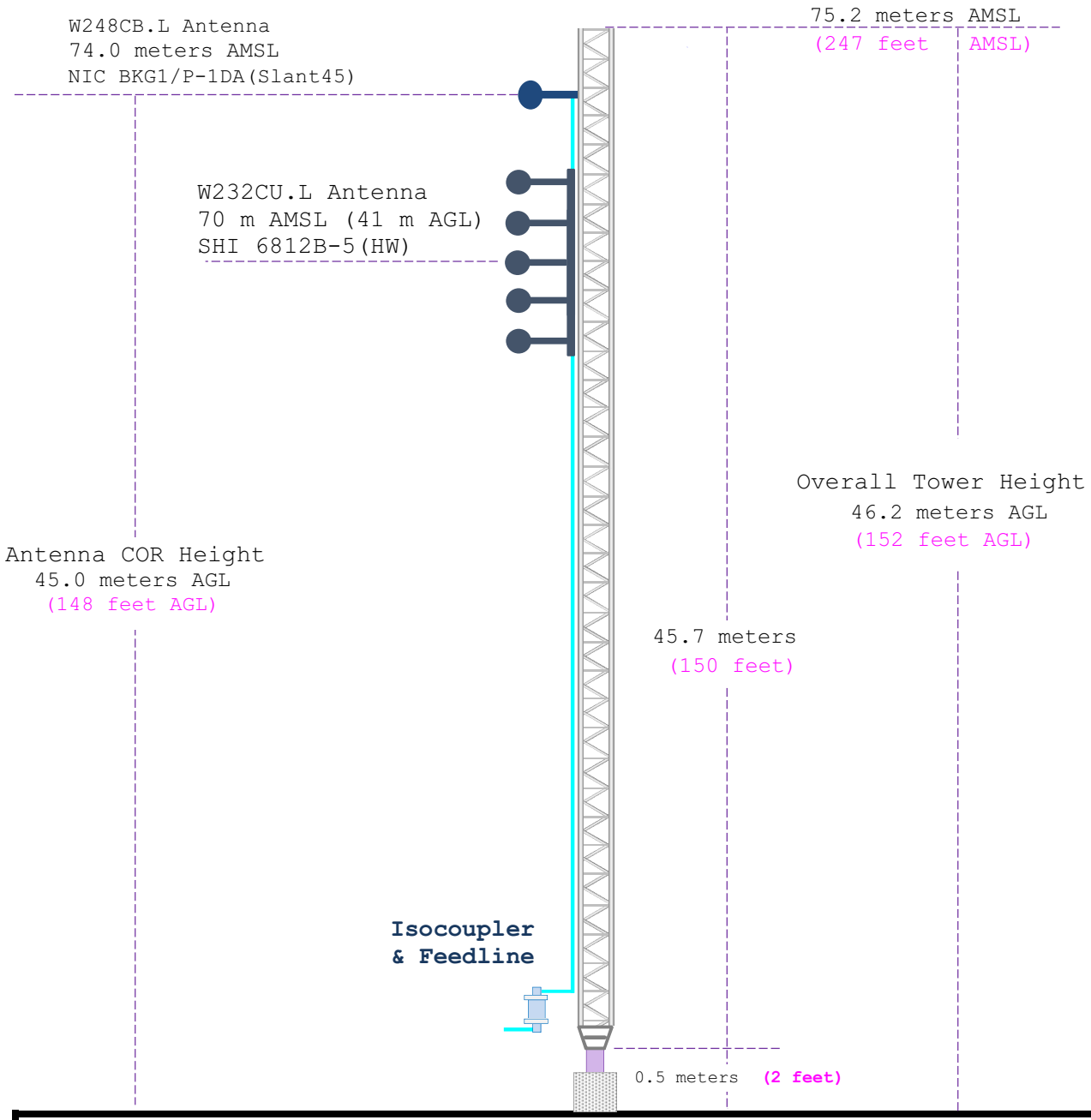
Name (Please Print or Type)	Signature (check appropriate box below)
Justin W. Asher	Justin W. Asher
Address (include ZIP Code)	Date
Asher Broadcast Consulting, LLC 579 Babcock Road Bronson, MI 49028-9347	December 12, 2018
	Telephone No. (Include Area Code)
	1(202)875-2986

☐ Technical Director ☐ Registered Professional Engineer

☐ Chief Operator ☑ Technical Consultant

☐ Other (specify)

Augusta, ME - WMDR(AM)
Vertical Plan of Antenna System



Ground Elevation: 29.0 meters AMSL (95 feet AMSL)

Address: 160 Riverside Drive
City: Augusta
County: Kennebec
State: Maine

Latitude (D M S)	Longitude (D M S)
NAD 27 datum values: 44 19 41.05418	69 45 53.83768
NAD 83 datum values: 44 19 41.30000	69 45 52.00000

Antenna Structure Registration
Not Required

Drawing Is Not To Scale

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