

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Saga Communications of New England, LLC

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
WHMQ		1240	Unlimited	1.0	1.0

2. Station location

State MA	City or Town Greenfield
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3. Transmitter location

State MA	County Franklin	City or Town Greenfield	Street address (or other identification) 81 Woodward Road
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4. Main studio location

State MA	County Franklin	City or Town Greenfield	Street address (or other identification) 81 Woodward Road
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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

☒

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 8.64	RF common point or antenna current (in amperes) without modulation for day system 8.64
Measured antenna or common point resistance (in ohms) at operating frequency Night 13.4 Day 13.4	Measured antenna or common point reactance (in ohms) at operating frequency Night -j29.2 Day -j29.2

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	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.
Self-supporting, insulated	45.7	46.5	46.5	Exhibit No.

Excitation ☒ Series ☐ Shunt

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

North Latitude	42 °	35 '	20 "	West Longitude	72 °	37 '	05 "
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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.
1

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

Exhibit No.
On File-No Change

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

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

Addition of FM translator antenna and feed-line.

It is also requested to make a minor correction of coordinates of 1 second in longitude.

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) Wayne S. Reese	Signature (check appropriate box below) 
Address (include ZIP Code) Munn-Reese, Inc. P. O. Box 220 Coldwater, MI 49036-0220	Date 06/07/2016 Telephone No. (Include Area Code) (517) 278-7339

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (specify)

Exhibit 1

Vertical Plan of Antenna System

THE SITE IS LOCATED 0.2 KM NORTH OF THE "T" INTERSECTION OF WOODARD ROAD AND SHELBURNE ROAD;
THE CITY OF GREENFIELD; FRANKLIN COUNTY; THE STATE OF MASS.

Antenna Structure Registration No.

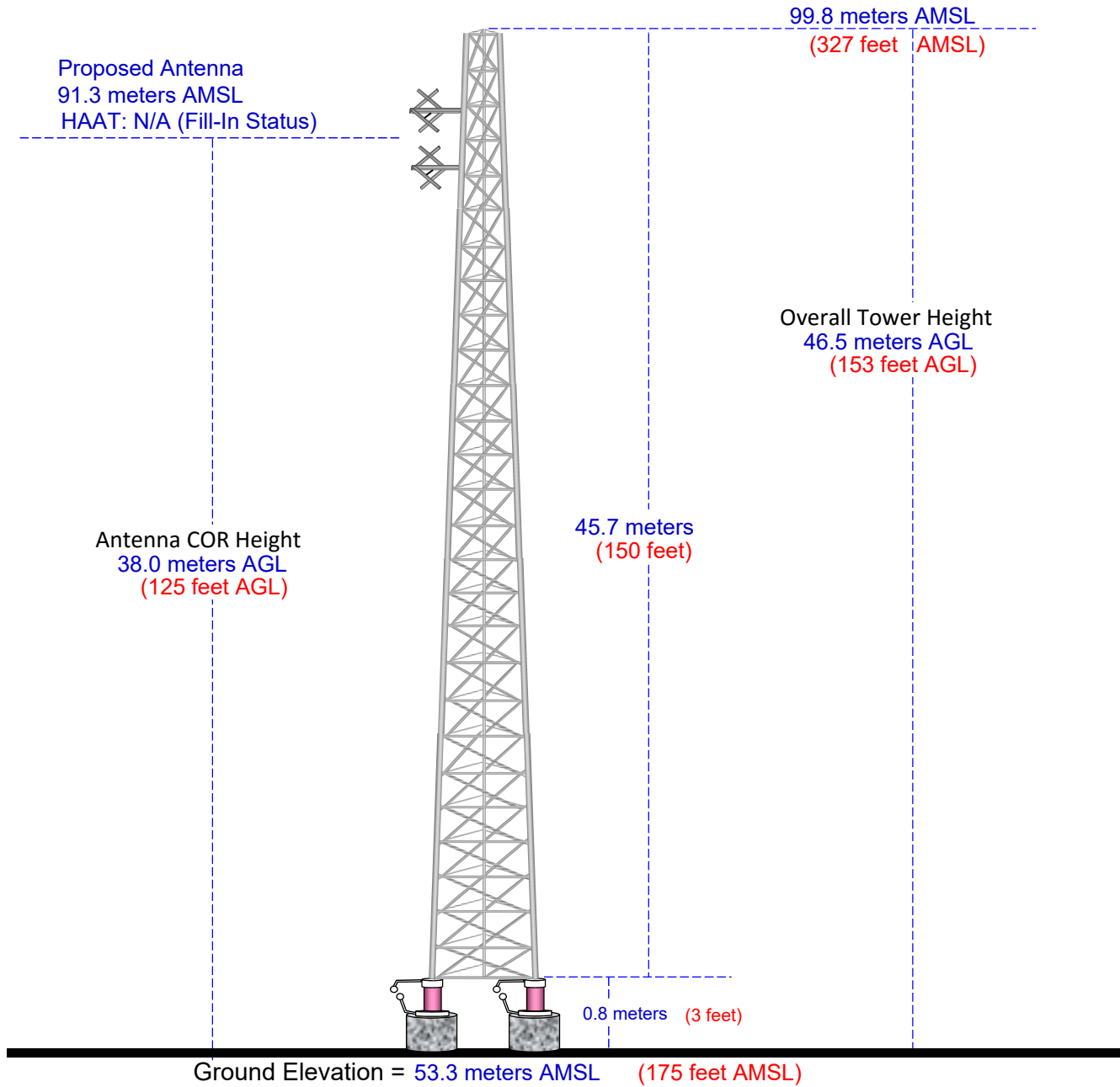
Not Required

Latitude (D M S)

Longitude (D M S)

NAD 27 datum values: 42 35 19.69187 72 37 5.17675

NAD 83 datum values: 42 35 20.00000 72 37 3.50000



Drawing is not to Scale

Munn-Reese, Inc.

Broadcast Engineering Consultants
Coldwater, MI 49036