

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Alabama Radio Corporation

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

Station License
(Correction of Coordinate Filing)

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	
WASG		540 kHz	Unlimited	Night 0.019 kW	Day 2.5 kW

2. Station location

State Alabama	City or Town Daphne
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3. Transmitter location

State Alabama	County Mobile	City or Town Prichard	Street address (or other identification) 2300 Smiley Lane
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4. Main studio location

State Alabama	County Mobile	City or Town Mobile	Street address (or other identification) 273 Azalea Rd., Suite 403
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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?



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 0.85 amperes	RF common point or antenna current (in amperes) without modulation for day system 9.81 amperes
Measured antenna or common point resistance (in ohms) at operating frequency Night 26.0 ohms Day 26.0 ohms	Measured antenna or common point reactance (in ohms) at operating frequency Night - j 19.0 ohms Day -j 19.0 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 located on a guyed, uniform cross-section steel tower mounted on a grounded concrete base pier.	Overall height in meters of radiator above base insulator, or above base, if grounded. 147.8 meters	Overall height in meters above ground (without obstruction lighting) 148.2 meters	Overall height in meters above ground (include obstruction lighting) 149.1 meters	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. Exhibit No.
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Excitation

☐

Series

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Shunt

ASR(NDA D1/N1) = 1292377

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

North Latitude	30 °	44 '	45 "	West Longitude	88 °	05 '	39 "
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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?

No changes to the AM tower have been implemented other than the addition of the common W250CB.C and W291CY.C - Mobile, AL FM Translator antenna and transmission line as authorized under W250CB.C Construction Permit BPFT-20160405AAW and W291CY.C Construction Permit BPFT-20160405AAY. However, a correction of coordinates of one second latitude and one second longitude, as well as minor corrections to the overall tower height are requested to match recently corrected Antenna Structure Registration (ASR #1292377).

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 taken after the recent tower modifications associated with, and as a \$1.30003(a) condition of licensing for W250CB.C and W291CY.C - Mobile, AL FM Translator antenna and transmission line as authorized under W250CB.C Construction Permit BPFT-20160405AAW and W291CY.C Construction Permit BPFT-20160405AAY.

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) Munn-Reese P.O. Box 220 Coldwater, MI 49036	Date October 25, 2016 Telephone No. (Include Area Code) 1(517)278-7339

☐

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)

Daphne, AL - WASG(AM) Vertical Plan of Antenna System

THE SITE IS LOCATED AT ROUTE 2300 SMILEY LANE;

THE CITY OF PRICHARD; MOBILE COUNTY; THE STATE OF ALABAMA.

Antenna Structure Registration No.

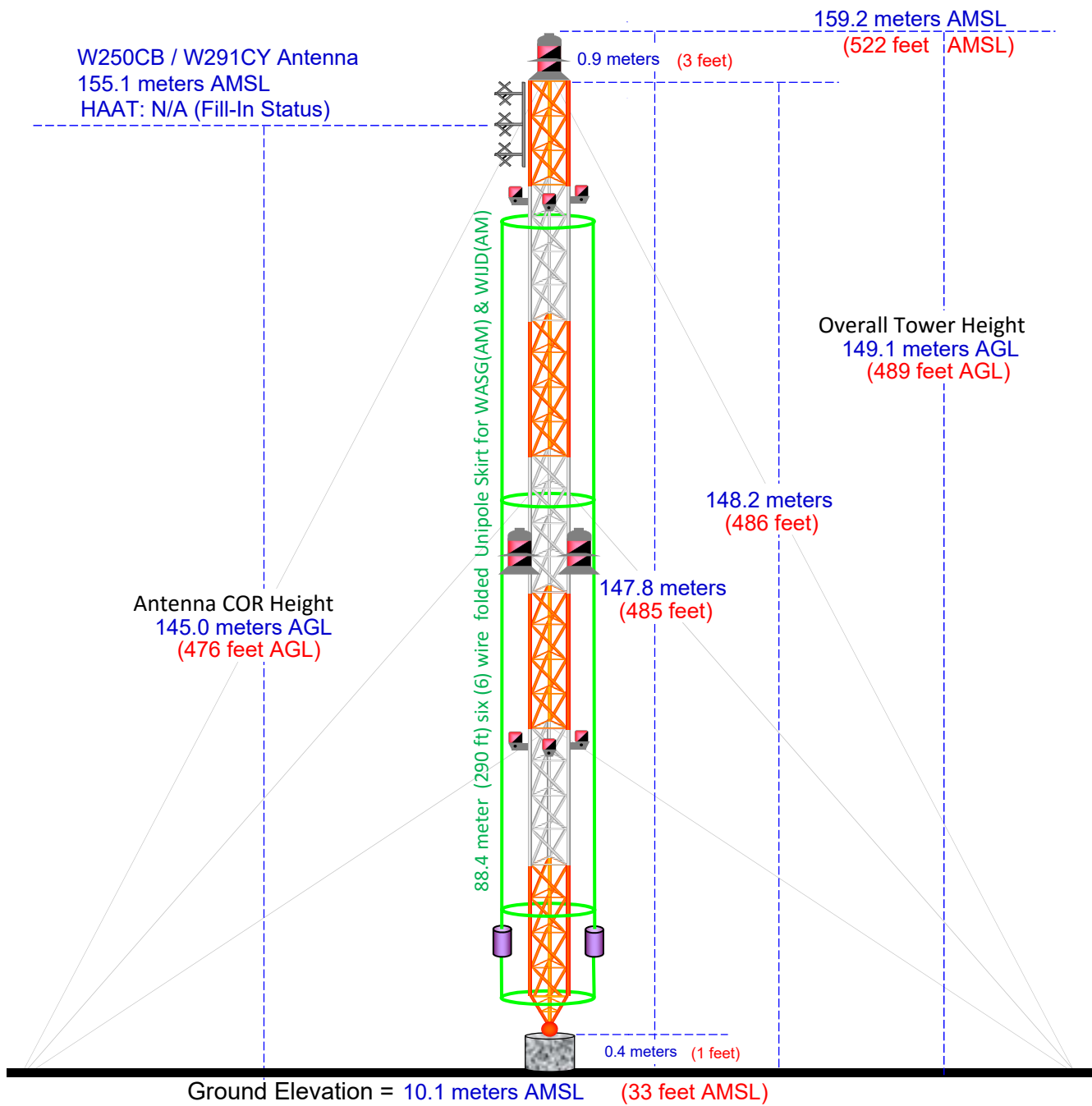
1292377

Latitude (D M S)

Longitude (D M S)

NAD 27 datum values: 30 44 44.92136 88 05 39.29804

NAD 83 datum values: 30 44 45.60000 88 05 39.30000



Drawing is not to Scale

Munn-Reese, Inc.

Broadcast Engineering Consultants

Coldwater, MI 49036

Daphne, AL - WASG(AM) Copy of Existing Antenna Structure Registration



Registration Detail

Reg Number	1292377	Status	Constructed
File Number	A1003319	Constructed	03/31/2016
EMI	No	Dismantled	
NEPA			

Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

Location (in NAD83 Coordinates)

Lat/Long	30-44-45.6 N 088-05-39.3 W	Address	2300 SMILEY LANE
City, State	PRICHARD , AL		
Zip	36610	County	MOBILE
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
10.1	149.1
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
159.2	148.2

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 12
Paint and Light in Accordance with FAA Circular Number 70/7460-1K

FAA Notification

FAA Study	2014-ASO-8939-OE	FAA Issue Date	11/03/2014
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Owner & Contact Information

FRN	0021312038	Owner Entity Type	Corporation
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Owner

Alabama Radio Corporation
Attention To: Bob Wilkins
7924 Lasley Forest Road
Lewisville , NC 27023

P: (336)946-0197
F:
E: bob@wilkinsradio.com

Contact

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Last Action Status

Status	Constructed	Received	03/31/2016
Purpose	Notification	Entered	03/31/2016
Mode	Interactive		

Related Applications

03/31/2016	A1003319	- Notification (NT)
03/31/2016	A1003318	- Modification (MD)
03/30/2016	A1003254	- Notification (NT)

Related applications (10)

Comments

Comments

None

History

Date	Event
04/01/2016	Registration Printed
03/31/2016	ASR Application receipt email sent: Tower email
03/31/2016	Construction Notification Received

All History (21)

Automated Letters

04/01/2016	Authorization, Reference
03/31/2016	Authorization, Reference
12/17/2014	Authorization, Reference

All letters (8)