

**SECTION III - LICENSE APPLICATION ENGINEERING DATA**

Name of Applicant

**JMD, 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
<b>WELO(AM)</b>	<b>N/A</b>	<b>580 kHz</b>	<b>Unlimited</b>	<b>0.095 kW</b>	<b>0.77 kW</b>

**2. Station location**

State <b>Mississippi</b>	City or Town <b>Tupelo</b>
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**3. Transmitter location**

State <b>Mississippi</b>	County <b>Lee</b>	City or Town <b>Tupelo</b>	Street address (or other identification) <b>0.5km NW of Eason BLVD &amp; SL-SF RWY</b>
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**4. Main studio location**

State <b>Mississippi</b>	County <b>Lee</b>	City or Town <b>Tupelo</b>	Street address (or other identification) <b>2214 South Gloster Street</b>
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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?

☐

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 <b>1.55 amperes</b>	RF common point or antenna current (in amperes) without modulation for day system <b>4.43 amperes</b>
Measured antenna or common point resistance (in ohms) at operating frequency Night <b>39.3 ohms</b> Day <b>39.3 ohms</b>	Measured antenna or common point reactance (in ohms) at operating frequency Night <b>+ j 70.4 ohms</b> Day <b>+ j 70.4 ohms</b>

**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:

# SECTION III - Page 2

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 Guyed, uniform cross-section, steel tower mounted on a concrete base pier and insulator	Overall height in meters of radiator above base insulator, or above base, if grounded.  129.3 meters	Overall height in meters above ground (without obstruction lighting)  130.3 meters	Overall height in meters above ground (include obstruction lighting)  131.3 meters	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.  Exhibit No.
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Excitation



Series  
(Insulated)



Shunt  
(Grounded)

ASR(NDA D1/N1) = 1041939

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

North Latitude	34 °	14 '	17 "	West Longitude	88 °	41 '	43 "
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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.

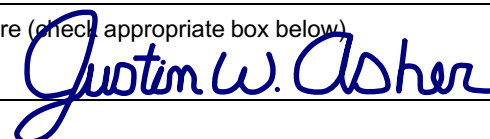
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

No changes to the AM radiating base insulated tower have been implemented other than the addition of the W289CJ FM Translator antenna and isolation circuitry as authorized under W289CJ.C - Tupelo, MS Construction Permit BNPFT-20171201ACP.

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 condition of licensing for W289CJ.C - Tupelo, MS Construction Permit BNPFT-20171201ACP.

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) Asher Broadcast Consulting, LLC 579 Babcock Road Bronson, MI 49028-9347	Date May 16, 2019  Telephone No. (Include Area Code) 1(202)875-2986

☐ Technical Director

☐ Registered Professional Engineer

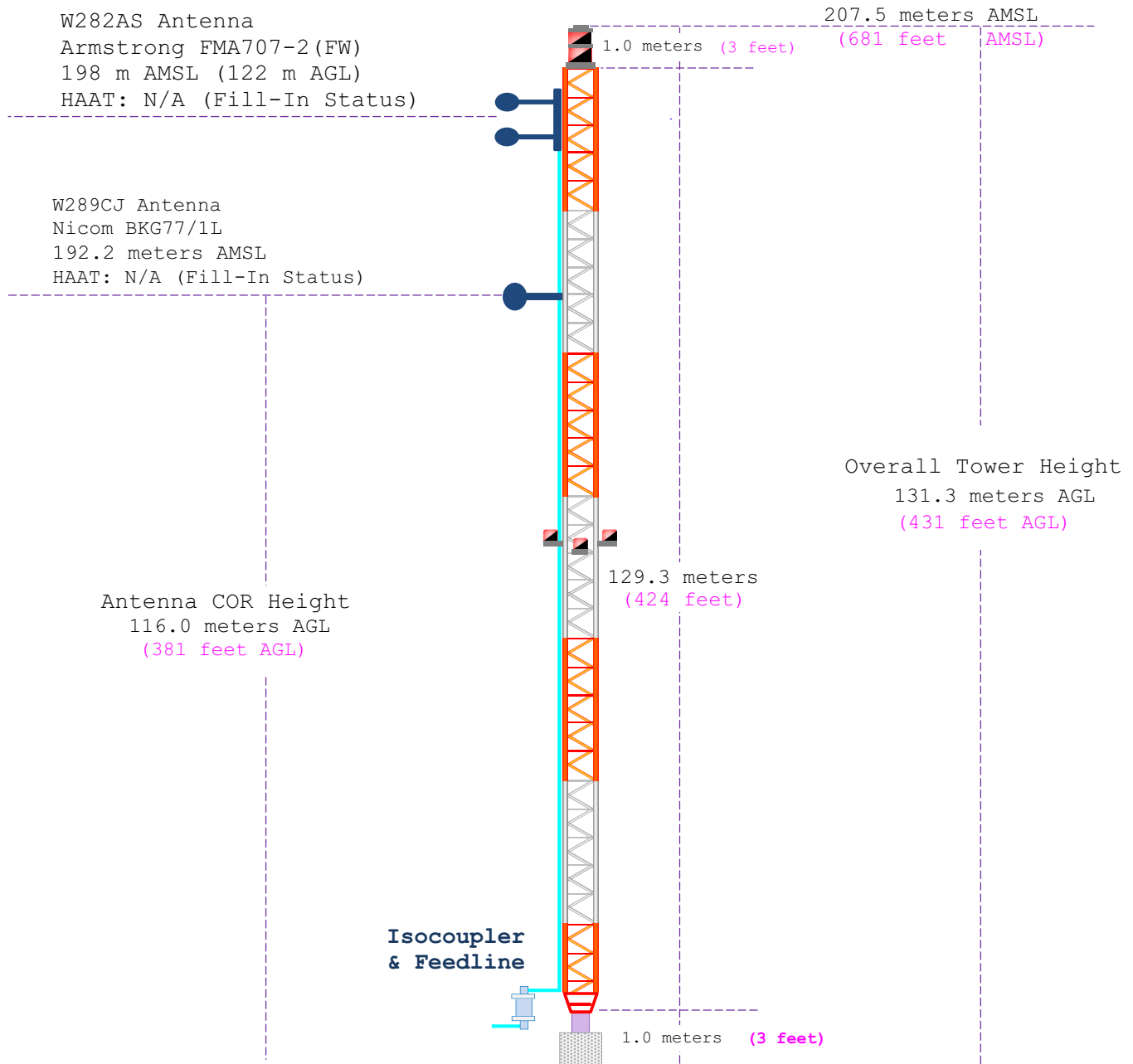
☐ Chief Operator

☒ Technical Consultant

☐ Other (specify)

# *Tupelo, MS - WELO(AM)*

## *Vertical Plan of Antenna System*



Ground Elevation: 76.2 meters AMSL (250 feet AMSL)		
<b>Address:</b> 0.5 km northwest of the intersection of Eason Blvd. and SL-SF RWY		
<b>City:</b> Tupelo	<b>Latitude (D M S)</b>	<b>Longitude (D M S)</b>
<b>County:</b> Lee	NAD 27 datum values: 34 14 16.61442 88 41 42.81188	
<b>State:</b> Mississippi	NAD 83 datum values: 34 14 17.00000 88 41 43.00000	
<b>Antenna Structure Registration</b> 1041939	Drawing Is Not To Scale	<b>Asher Broadcast Consulting, LLC</b> justinasher@consultant.com 1(202)875-2986