SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Capital City Radio Corporation

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☑ Station License (Correction of Coordinates) ☐ 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
KIOU	BP-20160421AAC	1480 kHz	Unlimited	0.129 kW	1.0 kW

2. Station location

State	City or Town
Louisiana	Shreveport

3. Transmitter location

State	County	City or Town	Street address (or other identification)
Louisiana	Caddo	Shreveport	On George Rd, 2.5 km west of the "T" intersection of George Rd & Dixie Shreveport Rd.

4. Main studio location

State	County	City or Town	Street address (or other identification)
Louisiana	Bossier	Bossier City	2438 E Texas Street

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
1.84 amperes	5.13 amperes
Measured antenna or common point resistance (in ohms) at operating frequency Night: 38 ohms Day: 38 ohms	Measured antenna or common point reactance (in ohms) at operating frequency Night: +J 11 ohms Day: +J 11 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	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	46.6 meters	46.6 meters	Exhibit No.

Excitation ☑ Series ☐ Shunt ASR(NDA D1/N1) = 1299477

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

North Latitude	32 °	34 '	27 "	West Longitude	93 °	44 '	34 "

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 K235CQ.C - Shreveport, LA FM Translator antenna and isolation circuitry as authorized under Construction Permit BMPFT-20160406AAR. In addition, this Form 302-AM filing is being submitted to cover KIOU(AM) - Shreveport, LA Correction of Coordinate Construction Permit BP-20160421AAC.

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

This Form 302-AM is being filed to reflect new antenna resistance and reactance measurements taken after the recent tower modification associated with, and as a §1.30003(a) condition of licensing for, K235CQ.C - Shreveport, LA as authorized under Construction Permit BMPFT-20160406AAR.

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) P.O. Box 220 385 Airport Drive Coldwater, MI 49036	Date September 28, 2016 Telephone No. (Include Area Code) 1(517)278-7339

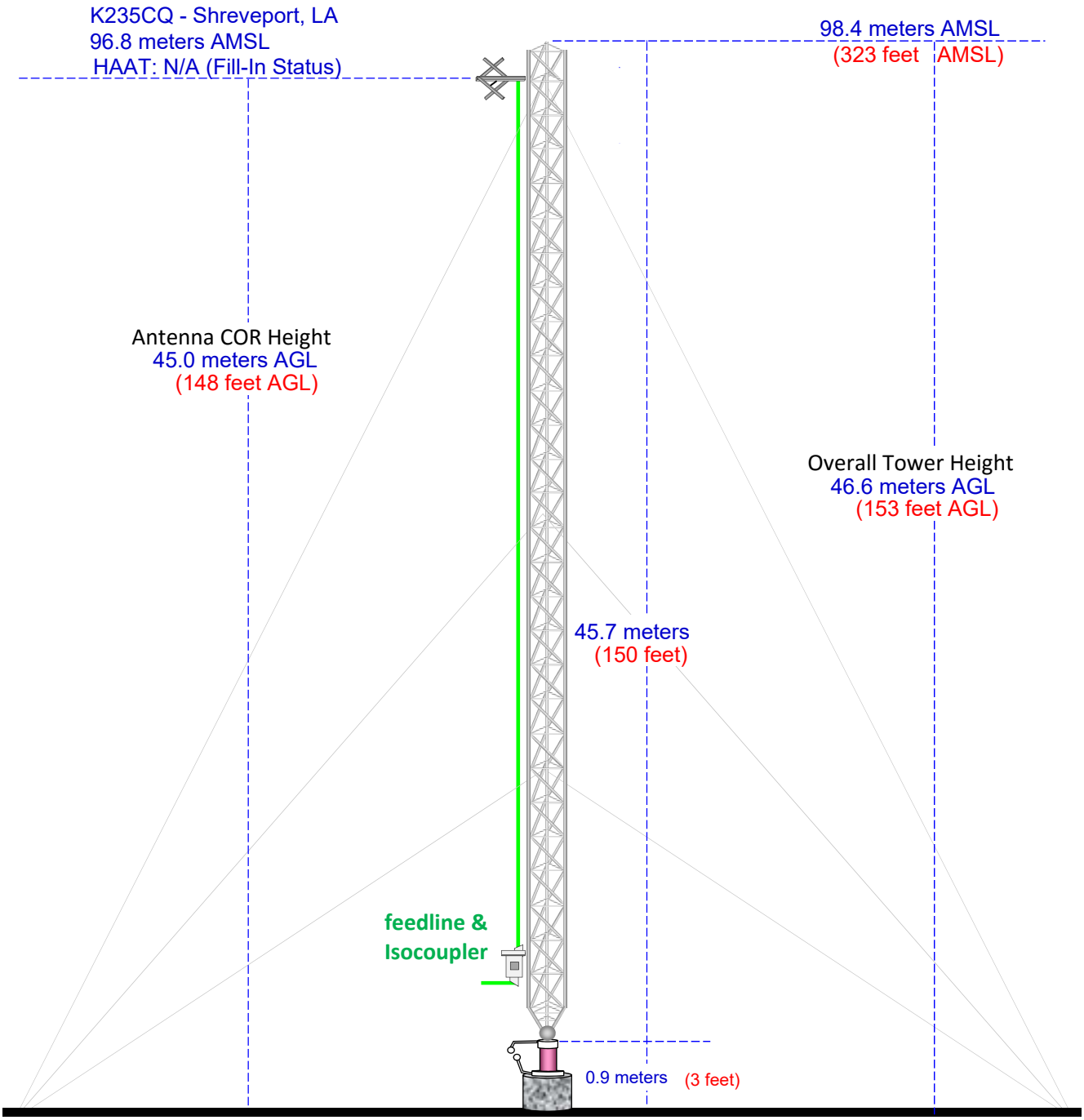
☐ Technical Director ☐ Registered Professional Engineer

☐ Chief Operator ☑ Technical Consultant

☐ Other (specify)

Shreveport, LA - KIOU(AM)
Vertical Plan of Antenna System

THE SITE IS LOCATED ON GEORGE ROAD, 2.5 KM WEST OF THE "╠" INTERSECTION OF GEORGE ROAD & DIXIE SHREVEPORT ROAD;THE CITY OF SHREVEPORT; CADDO COUNTY; THE STATE OF LOUISIANA.	
Antenna Structure Registration No. **1299477**	**Latitude (D M S)** **Longitude (D M S)** NAD 27 datum values: 32 34 26.66065 93 44 34.35662 NAD 83 datum values: 32 34 27.20000 93 44 35.00000



Ground Elevation = 51.8 meters AMSL (170 feet AMSL)

Drawing is not to Scale

Munn–Reese, Inc.
Broadcast Engineering Consultants
Coldwater, MI 49036