

**MULLANEY ENGINEERING, INC.**

9049 SHADY GROVE COURT  
GAITHERSBURG, MD 20877

**ENGINEERING EXHIBIT EE-LIC:**

**RADIO STATION KMJK (FM-AUX)  
ALLUR-KANSAS CITY, INC.  
LEXINGTON, MISSOURI**

**Ch. 297C1 20 KW 261 M HAAT**

**OCTOBER 18, 2001**

**ENGINEERING STATEMENT IN SUPPORT OF  
A LICENSE APPLICATION FOR A  
NEW AUXILIARY FM STATION**

File No. BXPB-20010817AAJ - Facility ID: 33713

**QUESTION 7 - EXHIBIT 8 OF FCC FORM 302-FM**

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**TABLE OF CONTENTS:**

1. F.C.C. Form 302-FM.
2. Declaration of Engineer
3. Narrative Statement
4. Table A, Summary of Technical Facilities Installed.

## Declaration

I, John J. Mullaney, declare and state that I am a graduate electrical engineer with a B.E.E. and my qualifications are known to the Federal Communications Commission, and that I am an principal engineer in the firm of Mullaney Engineering, Inc., and that I have provided engineering services in the area of telecommunications since 1977. My qualifications as an expert in radio engineering are a matter of record with the Federal Communications Commission.

The firm of Mullaney Engineering, Inc., has been requested by Allur-Kansas City, Inc., to prepare the instant engineering exhibit in support of a license application for FM Station KMJK (FM-AUX) (FCC Facility ID Number: 33713).

All facts contained herein are true of my own knowledge except where stated to be on information or belief, and as to those facts, I believe them to be true. I declare under penalty of perjury that the foregoing is true and correct.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer

Executed on the 18th day of October 2001.

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**NARRATIVE STATEMENT:**

This engineering statement has been prepared on behalf of Allur-Kansas City, Inc., permittee of Radio Station KMJK (FM-AUX) at Lexington, Missouri (Facility ID 33713). The purpose of this statement is to inform the Commission that construction has been completed and that the new auxiliary facility complies completely with its outstanding construction permit (BXPB-20010817AAJ).

In accordance with the special Operating Conditions on the construction permit, KMJK (FM-AUX) coordinated the times and locations of construction such that no worker was exposed to excessive R.F. levels. The proposed facility is in full compliance with both the “controlled” & “un-controlled” FCC Radiation Guidelines. Since the proposed facility contributes less than 5% of the “controlled” standard it is categorically excluded from further consideration.

Table A is a summary of the technical facilities installed.

### **“As Built” - Differences**

The newly constructed auxiliary facility does not significantly differ from those originally authorized.

### **SUMMARY**

Allur-Kansas City, Inc., permittee of Radio Station KMJK (FM-AUX) herein files its auxiliary license application indicating that construction has been completed and that the facility complies with its outstanding construction permit.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer

October 18, 2001.

**Table A**  
**Summary of Technical Facilities Installed**

**Call:** KMJK (FM-AUX)  
**City/State:** Lexington, Missouri  
**Facility ID:** 33713

**Channel:** 297C1            107.3 MHz

**C.P. Number:** BXPB-20010817AAJ

**Coordinates:** 39-02-13.6 / 93-55-48.1    NAD-27  
**Tower ASR:** 1007155  
**Tip Height:** 324.7 M AGL

**Antenna C.R.:** 213.4 M AGL 512.1 M AMSL 261 M HAAT

**ERP:** 20 kW H            20 kW V

**Antenna Make:** Shively 6810-2R 1.0 lambda spacing  
**OMNI:** Yes  
**Ant. Gain:** 0.99  
**Coax Efficiency:** 82.1 % Andrew HJ11-50 4" 221. meters

**TPO:** 24.6 kW