

**MULLANEY ENGINEERING, INC.**

9049 SHADY GROVE COURT  
GAITHERSBURG, MD 20877

**ENGINEERING EXHIBIT EE-LIC:**

**RADIO STATION KDLK-FM  
FORUM BROADCASTING, INC.  
DEL RIO, TEXAS**

**Ch. 231C3 7.2 KW 84 M HAAT**

**OCTOBER 11, 2002**

**ENGINEERING STATEMENT IN SUPPORT OF  
A LICENSE APPLICATION FOR A  
MODIFIED FM STATION  
REDUCING ERP BELOW CP LEVEL**

File No. BPH-20010731AAU - Facility ID: 22118

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

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## 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 Forum Broadcasting, Inc., to prepare the instant engineering exhibit in support of a modified license application for FM Station KDLK-FM (FCC Facility ID Number: 22118).

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. Information concerning the technical equipment installed and compliance with special conditions was obtained directly from the licensee. No on-site inspection of the facility by Mullaney Engineering was made. 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 11th day of October 2002.

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DEL RIO, TEXAS**

**Ch. 231C3 7.2 KW 84 M HAAT**

**NARRATIVE STATEMENT:**

This engineering statement has been prepared on behalf of Forum Broadcasting, Inc., licensee of Radio Station KDLK-FM at Del Rio, Texas (Facility ID 22118). The purpose of this statement is to inform the Commission that construction has been completed and that the new facility complies with its outstanding construction permit (BPH-20010731AAU). The only deviation is that the ERP of the C3 facility is initially being lowered to 7.2 kW rather than the 18 kW authorized in the CP. KDLK-FM presently has plans to implement the 18 kW within the next few years.

In accordance with the Special Operating Conditions on the construction permit, KDLK-FM coordinated the times and locations of construction such that no worker was exposed to excessive R.F. levels. The facility is in full compliance with both the “controlled” & “un-controlled” FCC Radiation Guidelines. KDLK-FM coordinated the implementation of the FM CP with its co-owned AM station, KTJK. Both use the same tower.

Table A is a summary of the technical facilities installed.

### **“As Built” - Differences**

The newly constructed C3 facility differs from those originally authorized. The ERP of the C3 facility is initially being lowered to 7.2 kW rather than the 18 kW authorized in the CP. KDLK-FM presently has plans to implement the 18 kW within the next few years and will re-file, if necessary, a 301 application prior to doing so. However, this item is permitted to be adjusted when filing the license application provided city grade coverage is maintained and that the ERP exceed the minimum for the class (6.1 kW).

It should be understood that this is the same site that KDLK-FM is currently licensed to operate at 2.65 kW at an HAAT of 41 meters. Given that the new facilities are 7.2 kW at 82 meters there is no doubt that city grade service is provided.

The KDLK-FM allotment is a specially negotiated allotment with Mexico. The allotment is authorized for a maximum ERP of 18 kW at 82 meters HAAT. KDLK wishes that the FCC maintain this same level of authorization so that implementation of the original ERP is possible at a later time without having to seek Mexican approval again. The C3 allotment is fully spaced to all U.S. allotments / facilities.

The reduction in ERP was not implemented for purposes of complying with the multiple ownership / duopoly rules.

**SUMMARY**

Forum Broadcasting, Inc., licensee of Radio Station KDLK-FM herein files its license application indicating that construction has been completed and that except as noted the facility complies with its outstanding construction permit.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer

October 11, 2002.

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

<b>Call:</b>	KDLK-FM
<b>City/State:</b>	Del Rio, Texas
<b>Facility ID:</b>	22118
<b>Channel:</b>	231C3            94.1 MHz
<b>C.P. Number:</b>	BPH-20010731AAU
<b>Coordinates:</b>	29-25-45 / 100-54-17    NAD-27
<b>Tower ASR:</b>	1038248
<b>Tip Height:</b>	93.3 M AGL
<b>Antenna C.R.:</b>	83.2 M AGL    413.9 M AMSL    84 M HAAT
<b>ERP:</b>	7.2 kW H            7.2 kW V (lowered from 18 kW)
<b>Antenna Make:</b>	OMB    FM GP-6            0.75 lambda spacing
<b>OMNI:</b>	Yes
<b>Gain:</b>	3.35
<b>Coax Efficiency:</b>	85.8%    Andrew HJ7-50A 1-5/8"    100.6 meters
<b>TPO:</b>	2.5 kW