

**APPLICATION FOR STATION LICENSE/
REQUEST FOR PROGRAM TEST AUTHORITY**
LAKE RADIO, INC.
WLKQ (FM) RADIO STATION
CH 272A - 102.3 MHZ - 4.2 KW (DA)
BUFORD, GEORGIA
April 2003

TECHNICAL STATEMENT

This Statement was prepared on behalf of Lake Radio, Inc. ("Lake"), licensee of radio station WLKQ, Channel 272A, Buford, Georgia. Lake holds an outstanding construction permit authorizing minor changes in the facilities of WLKQ (BPH-20000303ACG). This instant application seeks a license to cover this outstanding construction permit. Further, since the permit specifies the use of a directional antenna, this is also a request for full power Program Test Authority. The WLKQ facilities have been constructed as authorized in the underlying permit. Attached as Exhibit A is a calculation of the transmitter power output for WLKQ.

There were seven conditions placed on the WLKQ permit. The first condition requires the power of the station be lowered, or operation ceased, to ensure that persons having access to the site are not exposed to radio frequency electromagnetic fields in excess of the FCC guidelines. Lake herein restates that it will lower the power of WLKQ or cease operation, as necessary, to ensure no one is exposed to fields in excess of the FCC limits.

The next four conditions relate to the use of a directional antenna for WLKQ. Attached as Exhibit B1 is an antenna proof of performance from Shively Labs ("Shively"), the manufacturer of the WLKQ antenna system, demonstrating the compliance of the antenna system

with the requirements and limits contained in the permit. Further, attached as Exhibit B2 is a statement from an engineer that the antenna was installed and assembled in accordance with Shively's specifications. Finally, attached as Exhibit B3 is a verification from a Land Surveyor that the antenna is oriented at 238° true.

Condition 6 required Lake to make field strength measurements to verify the construction of the WLKQ facilities did not have an adverse impact on the operation of AM station WXEM, 1460 kHz, Buford, Georgia. The condition required ten measurements on eight radials to show the WXEM system was not impacted. As detailed in the application that resulted in the WLKQ permit (BPH-20000303ACG), the WLKQ antenna is mounted on the WXEM tower. The coordinates for the actual WXEM tower are at slight variance with the tower registration and the authorized WLKQ coordinates, as indicated in the permit.¹ In fact, Lake corrected the coordinates of the WLKQ tower in the underlying permit.

Since WLKQ's licensed antenna system was also on the WXEM tower, there was little, if any, impact on the WXEM system as a result of the antenna change for WLKQ. The same antenna feed line was used for the new WLKQ system. As such, there was no tower construction that could impact WXEM, therefore, no pre- or post-construction field measurements were taken. The WXEM antenna has been checked for a change in base impedance and an application to update that data and correct the geographic coordinates of the WXEM facility is being prepared by the licensee of that station. It will be submitted to the Commission on a timely basis. Once the data for the WXEM system is filed, Lake will notify the Commission.

1) There is a one second difference in the North Latitude of coordinates of the WLKQ CP and the WXEM license.

Finally, Lake also herein restates that it acknowledges its permit was granted pursuant to §73.215 of the rules (Condition 7). Based on the foregoing, it is felt that the conditions on the WLKQ permit, where applicable, have been met and full power program test authority is requested.