

**APPLICATION FOR STATION LICENSE**  
**LEGEND COMMUNICATIONS OF WYOMING, LLC**  
**KZMQ-FM RADIO STATION**  
**CH 262C - 100.3 MHZ - 56.0 KW**  
**GREYBULL, WYOMING**  
**June 2004**

**TECHNICAL STATEMENT**

This Technical Statement was prepared on behalf of Legend Communications of Wyoming, LLC, (“Legend”), licensee of radio station KZMQ-FM, Channel 262C, Greybull, Wyoming. This instant application seeks to notify the Commission that Legend has replaced the non-directional main antenna system for KZMQ-FM.<sup>1</sup> Attached as Exhibit A is a calculation of the transmitter power output for KZMQ-FM.<sup>2</sup>

This application is being submitted without first obtaining a construction permit. We have, however, addressed general conditions applicable to permits for facilities of this type. Legend herein states that it will, in cooperation with other tower users, reduce the power of KZMQ-FM or cease operation, as necessary, to insure that persons having access to the tower will not be exposed to radio frequency electromagnetic fields in excess of the FCC’s guidelines. It is noted that the new KZMQ-FM antenna has -1.5° of beam tilt. Attached as Exhibit B is the vertical plane pattern of the new antenna system. The maximum gain of the system is 2.639.

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- 1) KZMQ-FM has been operating pursuant to a Special Temporary Authority at reduced power since its main antenna system failed.
  - 2) The KZMQ-FM antenna supporting structure is less than 200 feet above ground and therefore is not registered.