



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST TRANSLATOR/BOOSTER STATION**  
**CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

RADIO BY GRACE, INC.  
160 GOODING STREET WEST  
SUITE B  
TWIN FALLS ID 83301

George H. Gwinn  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 141964

Call Sign: K214EC

Permit File Number: BMPFT-20061025ABK

Grant Date: November 15, 2006

The authority granted herein has no effect on the expiration date of the underlying construction permit.

This permit modifies permit no.: BMPFT-20041004ADE

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Name of Permittee: RADIO BY GRACE, INC.

Principal community to be served: MT-LEWISTOWN

Primary Station: WZXX (FM) , Channel 203, LAWRENCEBURG, TN

Via: Satellite

Frequency (MHz): 90.7

Channel: 214

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 47 deg 04 min 18 sec  
 West Longitude: 109 deg 24 min 44 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules

Antenna type: (directional or non-directional): Non-Directional

Major lobe directions (degrees true): Not Applicable

	Horizontally Polarized Antenna:	Vertically Polarized Antenna:
Effective radiated power in the Horizontal Plane (kw):		0.23
Height of radiation center above ground (Meters):		46
Height of radiation center above mean sea level (Meters):		1256

Antenna structure registration number: 1007034

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.
- 2 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

## Special operating conditions or restrictions:

- 3 If the antenna is mounted on an existing tower that is base-insulated or detuned at the frequency of AM Station KXLO, Lewiston, MT, the applicant shall notify the AM station. If necessary, the AM station may determine operating power by a method described in Section 73.51(a)(1) or (d). Permittee shall be responsible for readjustment and continued maintenance of any detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station. Both before and after the installation of the antenna and transmission line, AM antenna impedance measurements shall be made and sufficient field strength measurements, taken at a minimum of 8 locations along each of 6 equally spaced radials, shall be made to establish that the AM radiation pattern is essentially omnidirectional. The results of the field strength measurements and the impedance measurements shall be submitted to the Commission in an application on FCC Form 302 notifying of the AM station's return to the direct method of power determination. (See Section 73.45(c), FCC Rules).
- 4 BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 350 application for license.
- 5 Permittee has specified use of a TEL Model ANT90D, vertically polarized antenna and included the manufacturer's vertical radiation pattern to demonstrate that no predicted actual interference to Station KLEU will occur as allowed by 47 CFR Section 74.1204(d). If any other type or size of antenna is to be used with the facilities authorized herein, an application for modification of this permit must be filed using Form FCC 349. The application must include a revised showing to demonstrate continued compliance with Section 74.1204(d).

\*\*\* END OF AUTHORIZATION \*\*\*