



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**DIGITAL LOW POWER TELEVISION/TELEVISION TRANSLATOR**  
**BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

Gray Television Licensee, LLC  
4370 Peachtree Road, NE  
Atlanta GA 30319

Hossein Hashemzadeh  
Deputy Chief  
Video Division  
Media Bureau

Facility Id: 41224

Grant Date: October 26, 2011  
This permit expires 3:00 a.m.  
local time, September 01, 2015.

Call Sign: K40AD-D

Permit File Number: BMPD TT-20110923ABG

This permit modifies permit no.: BDFC D TT-20090501ABX

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

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.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: Gray Television Licensee, LLC

Station Location: AZ-COTTTONWOOD, ETC.

Frequency (MHz): 626 - 632

Channel: 40

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 74.750 of the Commission's Rules.

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

Description: JAM JA/LS-8

Major lobe directions                      65  
(degrees true):

Beam Tilt: 3 Degrees

Antenna Coordinates: North Latitude:      34 deg   41 min    12 sec

West Longitude:      112 deg   06 min    59 sec

Maximum Effective Radiated Power (ERP):                      2.3   kW

Transmitter Output Power:    0.182   kW

Height of radiation center above ground:                              18 Meters

Height of radiation center above mean sea level: 2349 Meters

Antenna structure registration number: None

Overall height of antenna structure above ground:                      20 Meters

Out-of-Channel Emission mask: Stringent

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