



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

Authorizing Official:

Official Mailing Address:

ARIZONA BOARD OF REGENTS FOR ARIZONA STATE U
555 N. CENTRAL AVENUE
PHOENIX AZ 85004

Hossein Hashemzadeh
Deputy Chief
Video Division
Media Bureau

Facility Id: 6095

Grant Date: April 22, 2011
This permit expires 3:00 a.m.
local time, September 01, 2015.

Call Sign: K42AC-D

Permit File Number: BDFCDTT-20110406AAA

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: ARIZONA BOARD OF REGENTS FOR ARIZONA STATE UNIVERSITY

Station Location: AZ-COTTONWOOD, ETC.

Frequency (MHz): 638 - 644

Channel: 42

Hours of Operation: Unlimited

Callsign: K42AC-D

Permit No.: BDFCDTT-20110406AAA

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): 5 kW

Transmitter Output Power: 0.379 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

Special operating conditions or restrictions:

- 1 This authorization is subject to the condition that low power television is a secondary service, and that low power television and television translator stations must not cause interference to the reception of existing or future full service television stations on either allotted NTSC or DTV channels, and must accept interference from such stations.

*** END OF AUTHORIZATION ***