



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

Authorizing Official:

Official Mailing Address:

EDGE SPECTRUM, INC.
7829 CENTER BLVD. SE. NO. 190
SNOQUALMIE WA 98065

Hossein Hashemzadeh
Associate Chief
Video Division
Media Bureau

Facility Id: 66997

Grant Date: August 29, 2002
This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Call Sign: K53HZ

Permit File Number: BPTTL-20000121ACT

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: EDGE SPECTRUM, INC.

Station Location: WA-SEATTLE

Frequency (MHz): 704 - 710

Offset: PLUS

Channel: 53

Hours of Operation: Unlimited

Callsign: K53HZ

Permit No.: BPTTL-20000121ACT

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

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

Description: ANT ACB12C

Major lobe directions 205
(degrees true):

Beam Tilt: Not Applicable

Antenna Coordinates: North Latitude: 47 deg 36 min 57 sec

West Longitude: 122 deg 18 min 26 sec

Maximum Effective Radiated Power (ERP) Towards Radio Horizon: 15kW

Maximum ERP in any Horizontal and Vertical Angle: 15kW

Height of radiation center above ground: 122 Meters

Height of radiation center above mean sea level: 247 Meters

Antenna structure registration number: None

Overall height of antenna structure above ground: 195 Meters

Special operating conditions or restrictions:

- 1 The authorization of a license to operate this station is conditioned upon the use of a transmitter that has been type accepted or meets Commission type acceptance requirements at a visual carrier frequency tolerance of plus/minus 1 kHz. In the event the transmitter has not been type accepted at this tolerance, the permittee shall, in the license application, provide full engineering data that demonstrates compliance with Section 74.750 (c) (3) (iii) of the Commission's Rules.
- 2 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.
- 3 This authorization includes a waiver of the application acceptance standards in Sections 74.705 or 74.707 of the Commission's Rules, as applicable, based on consideration of terrain shielding. This waiver will convey for minor changes to the facility, except for those related to channel displacement, and for assignment or transfer of the authorization. Generally, the operation of this broadcast facility may not result in prohibited electromagnetic interference. The permittee or licensee is advised that, without consideration of terrain shielding, interference was predicted to the off-air reception of the following facilities and that the permittee or licensee is responsible to eliminate objectionable interference caused to these facilities

BLTT-19830215IE, K53AZ, CHANNEL 53, CENTRALIA, ETC., WASHINGTON

*** END OF AUTHORIZATION ***