



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

Authorizing Official:

Official Mailing Address:

CALIFORNIA STATE UNIV., LONG BEACH RESEARCH  
6300 E. STATE UNIVERSITY DRIVE  
SUITE 332  
LONG BEACH CA 90815

Mary Houser  
Supr Applications Examiner  
Audio Division  
Media Bureau

Facility ID: 8197

Grant Date: September 17, 1990

Call Sign: KKJZ

This permit expires 3:00 a.m.  
local time, March 17, 1992.

Permit File Number: BPED-19880115MJ

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: CALIFORNIA STATE UNIV., LONG BEACH RESEARCH FOUNDATION

Station Location: CA-LONG BEACH

Frequency (MHz): 88.1

Channel: 201

Class: B1

Hours of Operation: Unlimited

Callsign: KKJZ

Permit No.: BPED-19880115MJ

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 33 deg 48 min 00 sec

West Longitude: 118 deg 09 min 45 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	8.0	8.0
Height of radiation center above ground (Meters):	34	34
Height of radiation center above mean sea level (Meters):	143	143
Height of radiation center above average terrain (Meters):	129	129

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 41 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

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