



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

AKAL BROADCASTING CORPORATION
10238 6TH AVENUE
HANFORD CA 93230

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: November 25, 2011

Facility Id: 51122

Call Sign: KIGS

Permit File Number: BP-20110809ABE

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

This Permit Modifies Permit No.: BL-2997

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:00 PM	Jul.	4:45 AM	7:15 PM
Feb.	6:45 AM	5:45 PM	Aug.	5:15 AM	6:45 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:00 PM
Apr.	5:30 AM	6:30 PM	Oct.	6:00 AM	5:30 PM
May	4:45 AM	7:00 PM	Nov.	6:30 AM	4:45 PM
Jun.	4:45 AM	7:15 PM	Dec.	7:00 AM	4:45 PM

Callsign: KIGS

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Name of Permittee: AKAL BROADCASTING CORPORATION

Station Location: HANFORD, CA

Frequency (kHz): 620

Station Class: B

Antenna Coordinates:

Day

Latitude: N 36 Deg 19 Min 35 Sec

Longitude: W 119 Deg 33 Min 59 Sec

Night

Latitude: N 36 Deg 19 Min 35 Sec

Longitude: W 119 Deg 33 Min 59 Sec

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

Nominal Power (kW): Day: 1.0 Night: 1.0

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1016446	

Night:

Tower No.	ASRN	Overall Height (m)
1	1016446	
2	1016447	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 292.9

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 308.1

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	68.0
2	0.8700	137.000	100.0000	51.000	0	68.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	115.5	20.0	72.90
2	346.5	20.0	74.60

Non-Directional Antenna: Day

Radiator Height: 91.3 meters; 68 deg

Theoretical Efficiency: 292.9 mV/m/kw at 1km

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Night:

Azimuth:	Radiation:
115.5	72.9 mV/m
346.5	74.6 mV/m

Special operating conditions or restrictions:

- 1 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.

Special operating conditions or restrictions:

- 2 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the (day) and (night) directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- 3 The license application to cover this authorization may refer to and rely upon the technical data contained in the engineering report filed BL-20110920ADF to establish that the array is adjusted to within the pattern authorized herein.

*** END OF AUTHORIZATION ***