



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

Authorizing Official:

Official Mailing Address:

RADIO HAWAII, INC.
 2360 N E COACHMAN
 CLEARWATER FL 33765

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 54613

Call Sign: KWAJ

Permit File Number: BP-20150413ABI

Grant Date: September 25, 2015

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

Permit filed to change site coordinates, height, and efficiency to correct errors on last license.

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

Callsign: KWAJ

Permit No.: BP-20150413ABI

Name of Permittee: RADIO HAWAII, INC.

Station Location: HONOLULU, HI

Frequency (kHz): 1080

Station Class: B

Antenna Coordinates:

Day

Latitude: N 21 Deg 19 Min 27 Sec

Longitude: W 157 Deg 52 Min 47 Sec

Night

Latitude: N 21 Deg 19 Min 27 Sec

Longitude: W 157 Deg 52 Min 47 Sec

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

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Mode: Day: ND Night: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1213943	

Night:

Tower No.	ASRN	Overall Height (m)
1	1213943	

Non-Directional Antenna: Day

Radiator Height: 59.8 meters; 77.5 deg

Theoretical Efficiency: 297.85 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 59.8 meters; 77.5 deg

Theoretical Efficiency: 297.85 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 The licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 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.
- 3 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 5 Ground system consists of 120 equally spaced, buried, copper radials about the base of the tower varying from 30.5 to 67.1 meters, except where terminated by property boundaries or the Kapalam drainage canal, plus eight pipes driven into the water table.
- 6 Before program test authority is authorized by the Commission: sufficient radiofrequency (RF) electromagnetic field measurements taken at the tower fence shall be submitted to show that the new power level RF radiation is in compliance with the American National Standards Institute Guidelines (OET Bulletin No. 65. August 1997); or a fence must be erected at such distances and in such a manner as to prevent the exposure human exposure to radiofrequency electromagnetic fields in excess of the FCC Guidelines (OET Bulletin No. 65. Edition 97-01, August 1997). The fence must be of a type which will preclude casual or inadvertent access, and must include warning signs at appropriate intervals which describe the nature of the hazard. Permittee shall submit documentation of compliance with this special operating condition along with the Form 302, application for license and the request for program test authority.

Special operating conditions or restrictions:

- 7 Pursuant to Sections 73.1030(c) and 73.1620(b) of the Rules, 47 C.F.R. §§73.1030 and 73.1620(b), the authority granted herein is subject to the following conditions:
- (1) The maximum fundamental field strength produced by the proposed transmitter shall not exceed 44 millivolts per meter (mV/m) as measured at the Federal Communications Commission's WAIPAHU, HI monitoring station at any time.
 - (2) In the event of interference, including spurious, intermodulation, or out of band emissions, to monitoring, direction finding, or related operations at the Federal Communications Commission's WAIPAHU, HI monitoring station, which is in any way related to this station's facilities or transmissions, the licensee shall take such corrective actions as necessary to eliminate the interference at the applicant's risk and expense. Corrective action shall include the provision, installation, and adjustments of suitable transmitter filter circuits, shielding, or other appropriate devices as may be required to eliminate the interference. If these or other measures do not eliminate the interference, the licensee shall reduce power to comply or cease transmissions.
 - (3) If any additional reduction in power is necessary after the station becomes operational to comply with the 44 mV/m in-channel limit, or to otherwise eliminate interference to the Commission's WAIPAHU, HI monitoring station, the licensee shall immediately apply for a Special Temporary Authority (STA) and shall file an application with the Commission for the altered parameters.
- 8 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations KWAI, KNDI (ID# 37065), KKEA (ID# 34551), KREA (ID# 39773), KSSK (ID#48774), KHVH (ID# 34591), KIKI (ID#40143), and KHRA (ID#43942), and there shall be filed with the license application copies of a firm agreement entered into by the eight (8) stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, all eight stations shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.

*** END OF AUTHORIZATION ***