



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

Authorizing Official:

Official Mailing Address:

SALEM MEDIA OF HAWAII, INC.  
4880 SANTA ROSA ROAD  
SUITE 300  
CAMARILLO CA 93012

Dennis L. Williams  
Assistant Chief  
Audio Division  
Media Bureau

Facility ID: 10950

Grant Date: August 23, 1996

Call Sign: KAIM-FM

This permit expires 3:00 a.m.  
local time, February 23, 1998.

Permit File Number: BPH-19960712IF

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: SALEM MEDIA OF HAWAII, INC.

Station Location: HI-HONOLULU

Frequency (MHz): 95.5

Channel: 238

Class: C

Hours of Operation: Unlimited

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: Directional

Antenna Coordinates: North Latitude: 21 deg 23 min 45 sec  
West Longitude: 158 deg 05 min 58 sec

|                                                            | Horizontally<br>Polarized<br>Antenna | Vertically<br>Polarized<br>Antenna |
|------------------------------------------------------------|--------------------------------------|------------------------------------|
| Effective radiated power in the Horizontal Plane (kW):     | 100                                  | 100                                |
| Height of radiation center above ground (Meters):          | 39                                   | 39                                 |
| Height of radiation center above mean sea level (Meters):  | 734                                  | 734                                |
| Height of radiation center above average terrain (Meters): | 568                                  | 568                                |

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 61 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

Special operating conditions or restrictions:

- 1 The permittee/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 has specified use of a 14 section antenna to demonstrate compliance with the ANSI radiofrequency radiation limit. If any other type or size of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with FCC Form 302-FM, application for license, BEFORE program tests will be authorized. This request should be made at least 10 days prior to the date on which program tests are desired to commence. The request must include a revised radiofrequency radiation showing to demonstrate continued compliance with the ANSI limit.  
Documentation demonstrating compliance with the ANSI radiofrequency radiation limit may be submitted in advance of the filing of FCC Form 302-FM. The Commission's staff will review it for compliance and respond by letter stating whether automatic PTA has been reinstated.

## Special operating conditions or restrictions:

- 3 BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 302-FM application for license.
- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
- 5 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.
- 6 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.
- 7 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at an azimuth the value indicated on the composite radiation pattern authorized by this construction permit.  
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A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:  
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100 kilowatts.  
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Principal minima and their associated field strength limits:  
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220 - 320 degrees True: 4.0 kilowatts.

## Special operating conditions or restrictions:

- 8 The authority granted herein is subject to the condition that the field intensity from the licensee's transmitter shall not exceed 27 mV/m as measured at the FCC's Honolulu Hawaii office. In the event of interference to monitoring, direction finding, or related operations at the FCC Honolulu Hawaii office caused by either harmonic or spurious radiation, the licensee shall take such immediate corrective action as is necessary to eliminate the interference. This shall include responsibility for furnishing, installing, and adjusting transmitter filter circuits, shielding, or other corrective devices. If these measures fail to eliminate interference to FCC operations caused by the presence of the licensee's signal, or if the field intensity exceeds 27 mV/m, the licensee shall immediately reduce power to the extent necessary to eliminate the interference and to comply with the field limit. After determining this lower power level, the licensee shall immediately apply for Special Temporary Authority and shall file an application to the FCC for altered parameters.

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BEFORE COMMENCING OPERATIONS with the facilities specified in this authorization, KAIM(FM) shall provide notice to David Doon of the FCC's San Francisco Office (510) 732-9046 to coordinate for the FCC's field intensity measurement of a 100 kW test signal for confirming that the station's field intensity does not exceed 27 mV/m at the FCC's Honolulu, Hawaii office. Until confirmed, no signal other than the coordinated test signal may be transmitted at a power level greater than 3.0 kW.

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