



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**DIGITAL TELEVISION**  
**DISTRIBUTED TRANSMISSION SYSTEM**  
**CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

HAWAII CATHOLIC TV, INC.  
POST OFFICE BOX 15

HONOLULU HI 96810

Facility Id: 89714

Analog TSID: 8080

Digital TSID: 8081

Call Sign: KUPU

Permit File Number: BPCDT-20100216ADR

Clay C. Pendarvis

Associate Chief

Video Division

Media Bureau

Grant Date: December 23, 2010

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

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.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: HAWAII CATHOLIC TV, INC.

Station Location: HI-WAIMANALO

Frequency (MHz): 476 - 482

Channel: 15

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 21 deg 19 min 23 sec

West Longitude: 157 deg 40 min 53 sec

Callsign: KUPU

Permit No.: BPCDT-20100216ADR

DTS Site Number: 1

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

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

Description: AND, AL8

Beam Tilt: 1.75 Degrees Electrical

Antenna Coordinates: North Latitude: 21 deg 19 min 23 sec

West Longitude: 157 deg 40 min 53 sec

Transmitter output power: As required to achieve authorized ERP.

Maximum effective radiated power (Average): 12 kW  
10.8 DBK

Height of radiation center above ground: 32.6 Meters

Height of radiation center above mean sea level: 424.9 Meters

Height of radiation center above average terrain: 373 Meters

Antenna structure registration number: None

Overall height of antenna structure above ground: 34.7 meters.

Permit No.: BPCDT-20100216ADR

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

Beam Tilt: 1 Degrees Electrical

West Longitude: 158 deg 06 min 01 sec

Overall height of antenna structure above ground: 16.5 meters.

1 The authority granted herein is subject to the condition that the field strength produced by the permitted/licensed facility shall not exceed 69 mV/m as measured at the Federal Communications Commission's Waipahu, Hawaii monitoring station. In the event that this limitation is exceeded, or if interference occurs to the monitoring, direction finding, or related operations of the Federal Communications Commission's Waipahu, Hawaii monitoring station, including interference from intermodulation or spurious emissions, the permittee/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 permittee/licensee's signal, or if the field intensity exceeds 69 mV/m, the permittee/licensee shall immediately reduce power to the extent necessary to eliminate the interference and /or comply with field strength limit. After determining this lower power level, the permittee/licensee shall immediately apply for a Special Temporary Authority (STA) and shall file an application to the Commission for the altered parameters.

## Special operating conditions or restrictions:

- 2 The grant of this construction permit is subject to the condition that, with ample time before commencing operation, you make a good faith effort to identify and notify health care facilities (e.g., hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within your service area potentially affected by your DTV operations. Contact with state and/or local hospital associations and local governmental health care licensing authorities may prove helpful in this process. During this pre-broadcast period, you must provide all notified entities with relevant technical details of your operation, such as DTV channel, targeted on-air date, effective radiated power, antenna location, and antenna height. You are required to place in the station's public inspection file documentation of the notifications and contacts made and you may not commence operations until good faith efforts have been made to notify affected health care facilities. During this pre-broadcast period and for up to twenty (20) days after commencing operations, should you become aware of any instances of medical devices malfunctioning or that such devices are likely to malfunction due to your DTV operations, you must cooperate with the health care facility so that it is afforded a reasonable opportunity to resolve the interference problem. At such time as all provisions of this condition have been fulfilled, and either upon the expiration of twenty (20) days following commencement of operations or when all known interference problems have been resolved, whichever is later, this condition lapses.

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