



Federal Communications Commission
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/media/radio/audio-division

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The KBOO Foundation
20 SE 8th Avenue
Portland, OR 97214
admin@kboo.org

Re: K242AX, The Dalles, OR
The KBOO Foundation
Facility ID No. 147659
File No. 0000214257

Request for Increased Digital Power
Hybrid IBOC Digital Operation

Dear Applicant:

This is in reference to the request filed April 27, 2023, on behalf of The KBOO Foundation (KBOO), licensee of FM translator station K242AX, The Dalles, OR.¹ KBOO requests authority to operate K242AX with increased digital ERP of -10 dBc,² pursuant to the Media Bureau's Order adopted January 27, 2010, in MM Docket No. 99-325.³

Our review indicates that the notification requirements of the Order have been satisfied, and that the proposed operation complies with the contour non-overlap and other technical requirements of the Order.

¹ File No. BLFT-20171211ABU. K242AX is licensed for analog operation on Channel 242D (96.3 megahertz) with 0.25 kilowatts (kW) effective radiated power (ERP) and 974 meters antenna radiation center height above average mean sea level using a directional antenna.

² Decibels relative to analog carrier.

³ *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010) (Order).

Accordingly, the request IS HEREBY GRANTED. K242AX may operate with increased digital ERP and transmitter power output (TPO), as follows:

| | |
|---------------|-----------------------------|
| Analog ERP: | 0.25 kW (H&V) ⁴ |
| Digital ERP: | 0.025 kW (H&V) ⁵ |
| | |
| Analog TPO: | 0.38 kW |
| Digital TPO: | 0.038 kW |
| Combined TPO: | 0.42 kW |

KBOO must use whatever means are necessary to protect workers and the public from exposure to radio frequency radiation in excess of the Commission's exposure guidelines; *See* Section 1.1310 of the Commission's Rules.⁶ It may be necessary to reduce the power of the digital signal or cease hybrid operation if interference complaints are received. This authority may be modified or cancelled by the Commission without notice or right to hearing. This authority attaches to, and runs concurrently with, the main station license. KBOO must post a copy of this authority with the station license.

Sincerely,

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

⁴ All ERP and TPO values rounded in accordance with 47 C.F.R. § 73.212(a).

⁵ Licensee specified the use of symmetric digital sideband power levels. Using the total digital sideband ERP values set forth in NRSC guideline "NRSC-G202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (*NRSC-G202-2*) (April 2016) for MP1 service mode with symmetric digital sideband power levels, the maximum permissible total digital sideband ERP for K242AX is 0.025 kW. The licensee must adjust the station's total digital sideband ERP in accordance with NRSC-G202-A if operating using a service mode other than MP1, *i.e.*, MP2, MP3 or MP11 and symmetric digital sideband power levels.

⁶ 47 C.F.R. § 1.1310.