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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
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University of Utah
101 S. Wasatch Drive Rm.240
Salt Lake City, UT 84112

Re: KUQU(FM), Enoch, UT
University of Utah
Facility ID No. 170181
File No. 0000193331

Request for Increased Digital Power
Hybrid IBOC Digital Operation

Dear Applicant:

This is in reference to the request filed June 14, 2022, on behalf of University of Utah, licensee of FM broadcast station KUQU(FM), Enoch, UT.¹ University of Utah requests authority to operate KUQU 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. 0000125026. KUQU is licensed for analog operation on Channel 230C (93.9 megahertz) with 30 kilowatts (kW) effective radiated power (ERP) and 824 meters antenna radiation center height above average terrain (HAAT) using a non-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. KUQU may operate with increased digital ERP and transmitter power output (TPO), as follows:

Analog ERP:	30 kW (H&V) ⁴
Digital ERP:	3 kW (H&V) ⁵
Analog TPO:	2.15 kW
Digital TPO:	0.215 kW
Combined TPO:	2.365 kW

University of Utah 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. University of Utah 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 KUQU is 3 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.