

**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](http://www.fcc.gov/media/radio/audio-division)

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January 9, 2018

Melodie A. Virtue, Esq.  
Garvey Schubert Barer  
1000 Potomac Street, NW  
Suite 200  
Washington, DC 20007-3501

Re: KQAC(FM), Portland, Oregon  
All Classical Public Media, Inc.  
Facility ID No. 59343  
File No. 20171218AAC

**Request for Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced December 18, 2017, request for experimental authority (Request) submitted on behalf of All Classical Public Media, Inc. (ACPMI), licensee of noncommercial educational FM Station KQAC(FM), Portland, Oregon,<sup>1</sup> to permit KQAC to conduct testing of hybrid digital FM in-band on-channel (IBOC) operation with asymmetric power levels in the digital sidebands. The experimental authority is requested pursuant to Section 5.203 of the Commission's Rules.<sup>2</sup>

The Request states that ACPMI is seeking experimental authority to operate KQAC with lower sideband (LSB) digital effective radiated power (ERP) of -12 dBc<sup>3</sup> and upper sideband (USB) digital ERP of -14 dBc. ACPMI submitted an engineering study in support of the Request.

Our review of the Request indicates that the proposed KQAC experimental operation complies with the contour nonoverlap and other technical requirements of the Media Bureau's Order, adopted January 27, 2010, in Mass Media Docket No. 99-325,<sup>4</sup> and the Request meets the

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<sup>1</sup> File Number BLED-20110517AEK.

<sup>2</sup> 47 CFR § 5.203 (Section 5.203).

<sup>3</sup> Decibels relative to analog carrier.

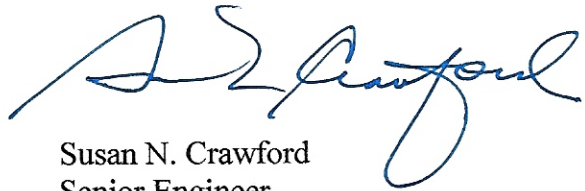
<sup>4</sup> See *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010).

requirements for experimental operations set forth in Section 5.203. Accordingly, the Request is **HEREBY GRANTED**. KQAC may operate with digital ERP as follows:

Analog ERP:	5.9 kilowatts (kW), Max-BT, H&V <sup>5</sup>
LSB Digital ERP: <sup>6</sup>	0.185 kW
USB Digital ERP:	0.120 kW.

This experimental authority expires on **January 9, 2019**. This authority is specifically conditioned on the lack of objectionable interference. A report detailing the methodology employed and the results obtained must be submitted within 90 days following the conclusion of the experimental operation. Any request for extension of this experimental authority should be filed at least 30 days prior to the expiration date of the authority. Additionally, an extension request must include an interim version of the aforementioned report that details the progress of the experimental operation as of the filing date of the request.

Sincerely,



Susan N. Crawford  
Senior Engineer  
Audio Division  
Media Bureau

cc: All Classical Public Media, Inc.  
Gray Frierson Haertig (via email)

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<sup>5</sup> All ERP values rounded in accordance with 47 CFR § 73.212(a).

<sup>6</sup> Digital ERP values shown are for MP1 service mode. The licensee must adjust the station's asymmetric total digital sideband ERP values in accordance with NRSC guideline "NRSC-G202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (April 2016) if operating using a service mode other than MP1.