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December 6, 2018

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DEC -6 2018

Federal Communications Commission
 Office of the Secretary

By Hand Delivery

Marlene H. Dortch, Secretary
 Federal Communications Commission
 Office of the Secretary
 445 12th Street, S.W.
 Room TW-A325
 Washington, DC 20554

Re: Broadcast Station KQAC(FM), Portland, OR
 Facility ID No. 59343, FRN # 0005853098
 Request for Extension of Experimental Authority to Operate with
 Asymmetrical Hybrid Digital Sideband Power
 FCC File No. 20171218AAC

2018 DEC 10 PM 2:10

Dear Ms. Dortch:

On behalf of All Classical Public Media, Inc., licensee of noncommercial educational FM radio station KQAC(FM), Portland, Oregon, pursuant to FCC Rule 5.203, this letter is written to request an extension of its experimental authority for one year to operate KQAC(FM) full-time with asymmetrical hybrid digital sideband power. The initial authorization was granted by letter dated January 9, 2018, from Susan N. Crawford in the Audio Division of the Media Bureau. A copy of that letter is attached along with the report from KQAC(FM) Chief Engineer, Kelly D. Alford, detailing the methodology employed and the results obtained.

Also enclosed is the Anti-Drug Abuse Certification of the licensee. No filing fee is required for this type of request.

Please direct any questions regarding this matter to the undersigned.

Respectfully submitted,

Melodie A. Virtue

MAV:cjl

cc: Rodolfo Bonacci (pdf copy via rodolfo.bonacci@fcc.gov)

All Classical

P O R T L A N D

Federal Communications Commission
Office of the Secretary
445 12th Street SW, Room TW-A325
Washington, DC 20554

December 4, 2018

RE: Renewal of Experimental Request 20171218AAC for KQAC (FM-NCE), FCC Facility ID #59343, Portland, OR.

Pursuant to Section 5.203 of the Commission's Rules, this report is provided in support of a request to continue the captioned KQAC Experimental Authorization, which authorizes operation at digital effective radiated power (ERP) of -12dBc on the lower IBOC digital sideband and (ERP) -14dBc on the upper digital sideband.

The author of this report currently serves as the Chief Engineer of KQAC (FM).

During the Experimental period of operating asymmetrical sidebands for KQAC and reviewing overall performance through various brands of HD (IBOC) radios and reception conditions therein, I found reception of the digital signal as authorized, more reliable in the principal community of Portland, OR., and more reliable in surrounding communities North towards Vancouver, WA., and South toward Salem OR.

Since the original Experimental Authorization, KQAC has amassed well over 12,000 hours of operation in asymmetrical hybrid mode. During the authorized operations, we have not received any complaints of interference.

All Classical Public Media, Inc., Licensee of KQAC (FM), will continue monitoring the operation of KQAC, to ensure that it remains within all authorized parameters.

Sincerely,



Kelly D. Alford

89.9 FM in Portland
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ALL CLASSICAL PORTLAND

1000 NE Oregon Street

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET, SW
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/media/radio/audio-division

PROCESSING ENGINEER: Susan N. Crawford
TELEPHONE: (202) 418-2754
GROUP FACSIMILE: (202) 418-1411
INTERNET ADDRESS: Susan.Crawford@fcc.gov

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,¹ 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.²

The Request states that ACPMI is seeking experimental authority to operate KQAC with lower sideband (LSB) digital effective radiated power (ERP) of -12 dBc³ 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. 99-325,⁴ and the Request meets the

¹ File Number BLED-20110517AEK.

² 47 CFR § 5.203 (Section 5.203).

³ Decibels relative to analog carrier.

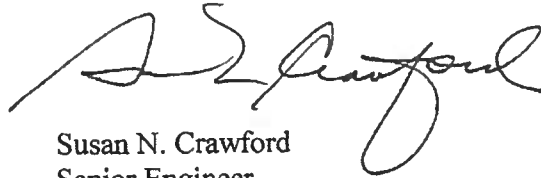
⁴ See *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010).

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 ⁵
LSB Digital ERP: ⁶	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)

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

⁶ 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.

