FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET, SW
WASHINGTON, DC 20554

MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/mb/audio/

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

July 31, 2017

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

Re: KQHR(FM), The Dalles, Oregon
All Classical Public Media, Inc.
Facility ID No. 175508
File No. 20170622ACL

Request for Extension of Experimental Authority

Dear Counsel:

The staff has under consideration the above-referenced June 22, 2017, request for extension of experimental authority[1] (Request), submitted on behalf of All Classical Public Media, Inc. (ACPMI), licensee of noncommercial educational FM Station KQHR, The Dalles, Oregon,[2] to permit KQHR to continue 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.[3]

In the Request, ACPMI is seeking extension of its current experimental authority which permits operation of KQHR with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc[4] and upper sideband (USB) digital ERP of -12 dBc. In support of the Request, as required, ACPMI submitted an interim report detailing the methodology employed and the progress and results of its testing under its current experimental authorization. In the report, ACPMI states that KQHR has operated its digital facilities using asymmetric digital sideband powers continuously since commencing operation pursuant to its original experimental authority in August 2016 without any complaints of interference or signal degradation. ACPMI states that throughout the current experimental period, it has conducted listening tests on the experimental operation, and finds that the digital operation using asymmetric digital sideband powers has increased the KQHR digital reception distance by as much as two to eight miles, making it

[1] File No. 20160707ACN.

[2] File Number BLED-20120315ADV.

[3] 47 CFR § 5.203 (Section 5.203).

[4] Decibels relative to analog carrier.

comparable to the KQHR analog. ACPMI also states that the asymmetric digital sideband power operation has produced a pronounced reduction in the digital audio dropout rate in the KQHR primary coverage area, and improved indoor building penetration of the digital signal. ACPMI further states that during the proposed extension of experimental authority, it will conduct additional tests looking toward improvement of digital error rates.

Our review indicates that the proposed KQHR digital operation complies with the contour nonoverlap and other technical requirements of the Media Bureau's Order in Mass Media Docket No. 99-325,[5] and the request for extension of experimental authority meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the Request is HEREBY GRANTED. KQHR may operate with digital ERP as follows:

Analog ERP:	4.0 kilowatts (kW), H&V[6]
Digital LSB ERP:	0.200 kW
Digital USB ERP:	0.125 kW.

This experimental authority expires on **July 31, 2018**. 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.

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

[6] All ERP values rounded in accordance with 47 CFR § 73.212(a).