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October 21, 2021

VIA EMAIL DELIVERY: Rodolfo.Bonacci@FCC.gov

Mr. Rodolfo F. Bonacci
Assistant Division Chief
Audio Division, Media Bureau
Federal Communications Commission

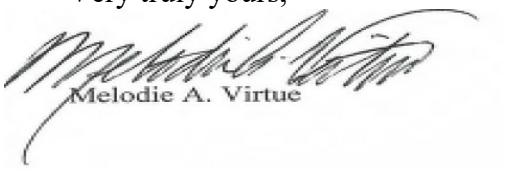
Re: ***Final Report Detailing the Methodology Employed and the Results Obtained for its Experimental Authorization to Use Hybrid Digital FM In-Band On-Channel with Asymmetric Power in the Digital Sidebands***
Radio Station KQHR(FM), The Dalles, OR
Facility ID No. 175508, FRN # 0005853098
All Classical Public Media, Inc.
File Nos. File No. 20160707ACN, 20170622ACL, 20170622ACL, 20190708ABJ, and 20200622AAO

Dear Mr. Bonacci:

Transmitted herewith on behalf of All Classical Public Media, Inc., licensee of noncommercial educational FM radio station KQHR(FM), The Dalles, Oregon, pursuant to FCC Rule 5.203(d), is its final report detailing the methodology employed and the results obtained regarding KQHR's experimental operation initially granted on August 1, 2016 in 20160707ACN that concluded on August 1, 2021. A copy of the last extension of the experimental authority requiring that a final report be filed is attached for convenience. (Note that KQHR requested a new experimental authorization via email to Commission staff dated September 17, 2021, which remains pending for the start of a new five-year period.)

Should you have any questions regarding this matter, kindly communicate directly with this office.

Very truly yours,



MAV:
Attachments (2)
cc: Priscilla Lee (pdf copy via email Priscilla.Lee@fcc.gov)

FG:11794102.1

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

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

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August 10, 2020

Melodie A. Virtue, Esq.
Foster Garvey PC
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. 20200622AAO

Request for Extension of Experimental Authority

Dear Counsel:

The staff has under consideration the above-referenced June 22, 2020 request for extension of experimental authority[1] (Request), as 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]

The Request states that ACPMI is seeking continued experimental authority to operate KQHR(FM) with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc[4] (0.2 kW) and upper sideband (USB) digital ERP of -12 dBc (0.125 kW).[5] 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. ACPMI states that throughout the current

[1] File No. 20160707ACN (granted 8/1/2016), as extended by File No. 20170622ACL, 20180629ABV, and 20190708ABJ

[2] File Number BLED-20120315ADV.

[3] 47 CFR § 5.203 (Section 5.203).

[4] Decibels relative to analog carrier.

[5] Analog ERP is 4 kilowatts ("kW"), H&V.

experimental period, it has conducted listening tests on the experimental operation, and finds that the digital operation using asymmetric digital sideband powers to be significantly more reliable than the analog signal. Finally, ACPMI reports that KQHR has operated well over 24,000 hours in asymmetric hybrid mode since commencing operation pursuant to its original experimental authority in August 2016. ACPMI has received no complaints of interference.

ACPMI's request for extension of experimental authority for KQHR(FM) meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the extension request is HEREBY GRANTED. This experimental authority expires on **August 1, 2021**. 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.

Pursuant to Section 5.71(c) of the Commission's rules, a broadcast experimental authorization is issued for a one year period and may be renewed for an additional term not exceeding five years upon an adequate showing of need.[6] Upon expiration of this experimental authority, KQHR(FM)'s experimental operation using asymmetric digital sideband powers will have reached the five year renewal limit set forth in Section 5.71(c), and no further renewals of this authority will be granted.

Sincerely,

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

cc: All Classical Public Media, Inc.

[6] 47 CFR § 5.71(c) (Section 5.71(c)).

All Classical
PORTLAND

All Classical Public Media, Inc.
211 SE Caruthers Street
Portland, OR 97214

September 9, 2021

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

RE: Final Report on Experimental Authorization for KQHR, FCC Facility ID # 175508, The Dalles, OR.

This final report is provided with regard to the now-expired Experimental Authorization, which permitted operation at -10 dBc on the lower IBOC digital sideband and -12 dBc on the upper.

The author has had personal experience with the station for nearly four years, having served as consultant throughout that time, and acting Chief Operator from time to time as required.

I have personally observed that the digital signal as authorized is significantly more reliable than the analog signal along Interstate 84 and US Route 14 from east of Cascade Locks to east of The Dalles; in the communities of Bingen and White Salmon in Washington; and in Hood River and The Dalles in Oregon. (The Dalles is the Principal Community for KQHR.) These observations were taken in a variety of vehicles over a time span of more than three years.

KQHR amassed well over 32,000 hours of operation in asymmetrical hybrid mode. Not a single complaint of interference was presented to the licensee in that time.

Thank you,

David J. Doherty
Technical Consultant