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Please reply to MELODIE A. VIRTUE  
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July 7, 2016

OUR FILE NO. 21616-00500-65

**By Hand Delivery**

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

Accepted / Filed

JUL - 7 2016

Federal Communications Commission  
Office of the Secretary

2016 JUL - 8 A 10:18

RECEIVED

Re: Broadcast Station KQHR(FM-NCE), The Dalles, OR  
Facility ID No. 175508  
FRN # 0005853098  
Request for Experimental Authority to Operate with  
Asymmetrical Hybrid Digital Sideband Power

Dear Ms. Dortch:

On behalf of All Classical Public Media, Inc., licensee of non-commercial educational FM radio station KQHR(FM), The Dalles, Oregon, pursuant to FCC Rule 5.203, this letter is written to request experimental authority for one year to operate KQHR full-time with asymmetrical hybrid digital sideband power as set forth in the attached Engineering Exhibit of Gray Frierson Haertig & Assoc.

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:cll

Enclosures (2)

cc: Susan N. Crawford (pdf copy via email [Susan.Crawford@fcc.gov](mailto:Susan.Crawford@fcc.gov))

## ANTI -DRUG ABUSE CERTIFICATION

The applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862a, or, in the case of a non-individual applicant (e.g. corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. §1.2002(b).



Yes

[ ] No

Name of Applicant:

All Classical Public Media, Inc.

Signature:

Title:

PRES/CEO

Date:

7/6/16

TELECOMMUNICATIONS ENGINEERING  
GRAY FRIERSON HAERTIG & ASSOC.  
4646 S.W. COUNCIL CREST DRIVE  
PORTLAND, OREGON 97239  
503-282-2989 (Office)  
503-807-2989 (Cell)

ELECTRONIC MAIL  
gfh@haertig.com

16 June 2016

Prepared for All Classical Public Media

**ENGINEERING STATEMENT  
KQHR-FM CHANNEL 201, THE DALLES, OREGON  
REQUEST FOR EXPERIMENTAL AUTHORIZATION  
TO OPERATE WITH ASYMMETRIC DIGITAL SIDEBAND POWERS**

This Engineering Statement has been prepared on behalf of All Classical Public Media, Inc. ("KQHR"), licensee of KQHR, Channel 201C2, at The Dalles, Oregon, in support of a request for experimental authorization to operate KQHR with asymmetric digital sideband power levels.

KQHR requests permission to operate at -12 dBc in the upper sideband and -10 dBc in the lower sideband. Since KQHR operates on Channel 201, there are no first-channel adjacent stations below to protect. There are also no full service TV Channel 6 stations that need to be considered.

The KQHR FM ERP is 4.0 KW. KQHR proposes to operate with 0.4 KW in the lower digital sideband and 0.25 KW in the upper digital sideband.

In support of the request to operate at -12 dBc in the upper sideband, this office undertook an allocation study, which took into account nearby facilities operating on Channel 202. This study revealed just one such assignment, permit or application needing further consideration. This is the licensed facility of KBVM, Portland, Oregon.

Attached is a contour map showing the extent of and relationship between the KBVM 60 dB $\mu$  protected contour and the KQHR 50.6 dB $\mu$  interfering contour. This map demonstrates conclusively that there is no overlap between the proposed interfering contour and the KLCC protected contour.

These contours were calculated using the method set forth in 47CFR73.313 of the Commission's Rules and Regulations. The average terrain values were calculated from elevations taken from the 30 arc-second NGDC database.

Per the Table in Paragraph 20 of R&O DA 10-208 in MM Docket 99-325, operation at -12 dBc is permitted.

I, Gray Frierson Haertig, hereby affirm that:

I have been retained by All Classical Public Media, Inc., to prepare this Engineering Statement;

I am Principal and Senior Engineer of Gray Frierson Haertig & Assoc., a firm specializing in Broadcast Engineering;

This report has been prepared directly by myself;

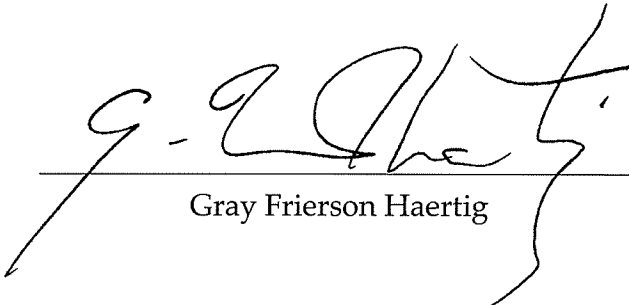
All statements made herein and not attributed to others are true to the best of my knowledge;

The conclusions drawn herein are based on information supplied to me by The Federal Communications Commission;

I am a Broadcast Engineer of 50 years experience;

And my credentials are a matter of record with the Commission.

Respectfully submitted this 16<sup>th</sup> day of June 2016,



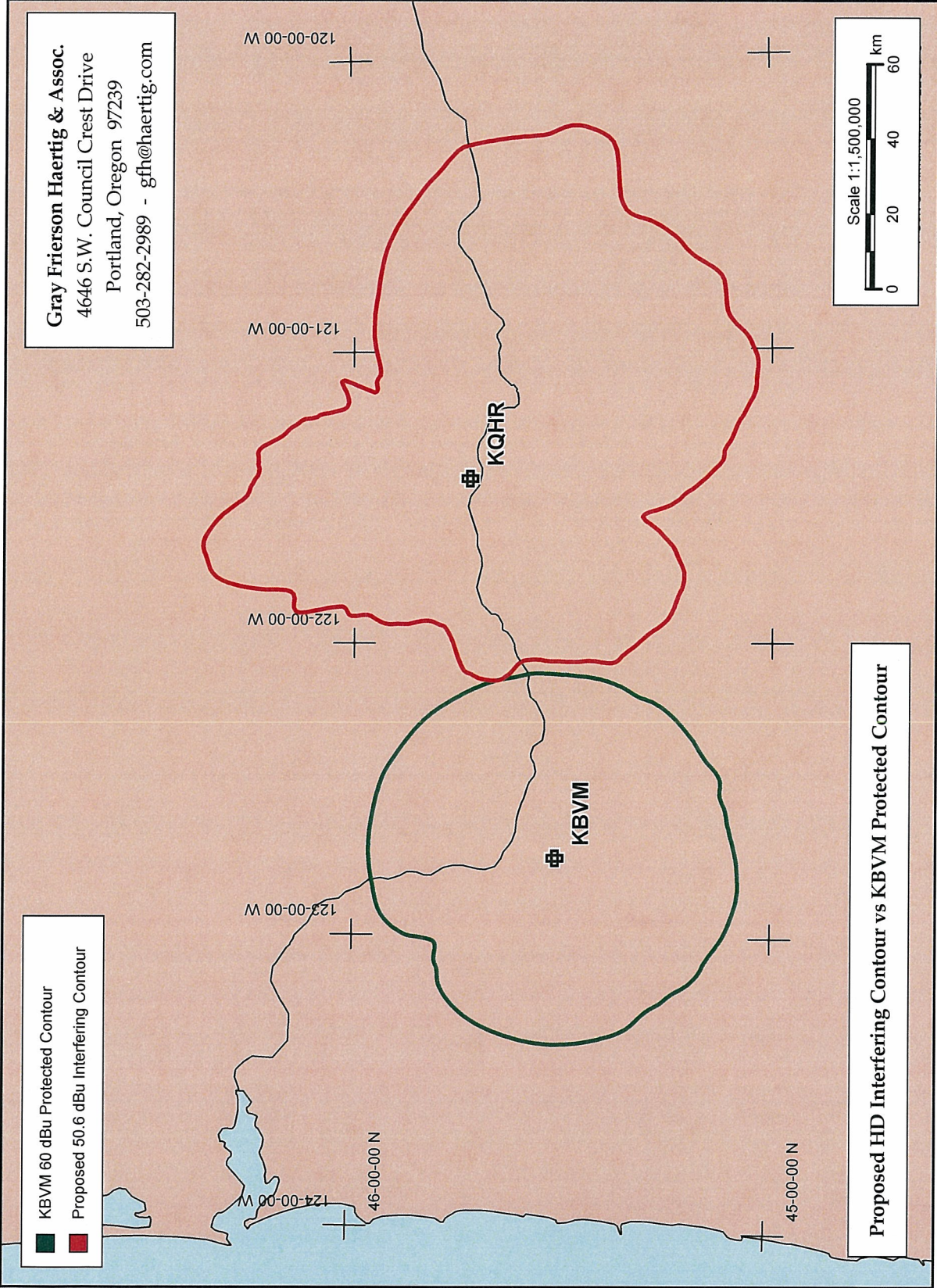
Gray Frierson Haertig



Gray Frierson Haertig & Assoc.  
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KBVM 60 dBu Protected Contour  
Proposed 50.6 dBu Interfering Contour

Scale 1:1,500,000  
0 20 40 60 km



Proposed HD Interfering Contour vs KBVM Protected Contour