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Please reply to MELODIE A. VIRTUE
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March 4, 2019

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

Accepted / Filed

MAR - 4 2019

Federal Communications Commission
Office of the Secretary

2019 MAR - 5 PM 3:02

Re: Broadcast Station KING-FM (NCE), Seattle, WA
Facility ID No. 11755, FRN # 0020868501
Request for Extension of Experimental Authority to Operate with
Asymmetrical Hybrid Digital Sideband Power
FCC File No. 20150403ABZ

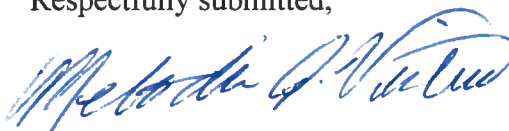
Dear Ms. Dortch:

On behalf of Classic Radio ("Classic"), licensee of non-commercial educational FM radio station KING-FM, Seattle, Washington, pursuant to FCC Rule 5.203, this letter is written to request an extension of its experimental authority for one year to operate KING-FM full-time with asymmetrical hybrid digital sideband power. The initial authorization was granted by letter dated April 13, 2015, from Susan N. Crawford in the Audio Division of the Media Bureau. A copy of that letter is attached along with the report from KING-FM Operations Director, Rachele Hales, 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:cll
Enclosures (3)
cc: Rodolfo F. Bonacci (Rodolfo.Bonacci@fcc.gov)

98.1 KING FM

10 Harrison St., Ste 100

Seattle, WA 98109

RE: Renewal of Experimental Request 20150403ABZ

February 26, 2019

Regarding 98.1 KING FM's Experimental Authorization granted by the FCC on April 13, 2015, KING FM respectfully submits the following report and request pursuant to the conditions of the Experimental Authority.

KING FM has operated with Asymmetrical Hybrid IBOC sidebands fulltime since authority was granted on April 13, 2015 for a total of 33,900 hours. The transmitter used is a Nautel GV-30 with 68 Kilowatts ERP of analog power, Digital LSB of -10dBc (6.8 kW) and -14dBc (2.7 kW). KING FM operates with three IBOC channels with data streams of 64kbps, 32kbps and 24kbps.

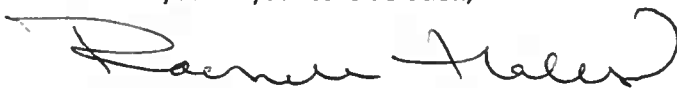
In April 2015, KING FM declared to the public that it had made increases to its HD signal and promotion of the HD signal has continued both on-air and online. During the experimental HD broadcasts, we have noted an increased public awareness of our HD signals. We submit this is due both to the improvement in our HD transmission and an increase in the number of HD receivers in the marketplace, especially in cars.

Informal listening tests indicate that the increased HD signal strength allows the IBOC signal to more closely match the analog FM transmission (see Exhibit A.) Using an HD auto receiver as well as a small personal receiver, we have continued our listening tests. Both receivers demonstrated a marked improvement in outdoor reception and building/tunnel permeation. Studio monitoring has also continued using one Inovonics 632 HD receiver and two consumer-grade tabletop receivers (one Boston and one Accurian).

Further testing has also shown that no broadcast interference or degradation was caused during the course of these experimental broadcasts. An extension of KING FM's experimental authorization will allow KING FM to continue providing feedback to Nautel on the efficacy of the asymmetrical sideband operation of its transmitter.

In light of these results and findings, KING FM proposes to the Federal Communications Commission that we continue operating with asymmetrical sidebands at the ERP granted in our original experimental license. During this operation, KING FM will continue to closely monitor signal reports and ensure that its transmissions remain within the parameters of our license.

Thank you for your consideration,



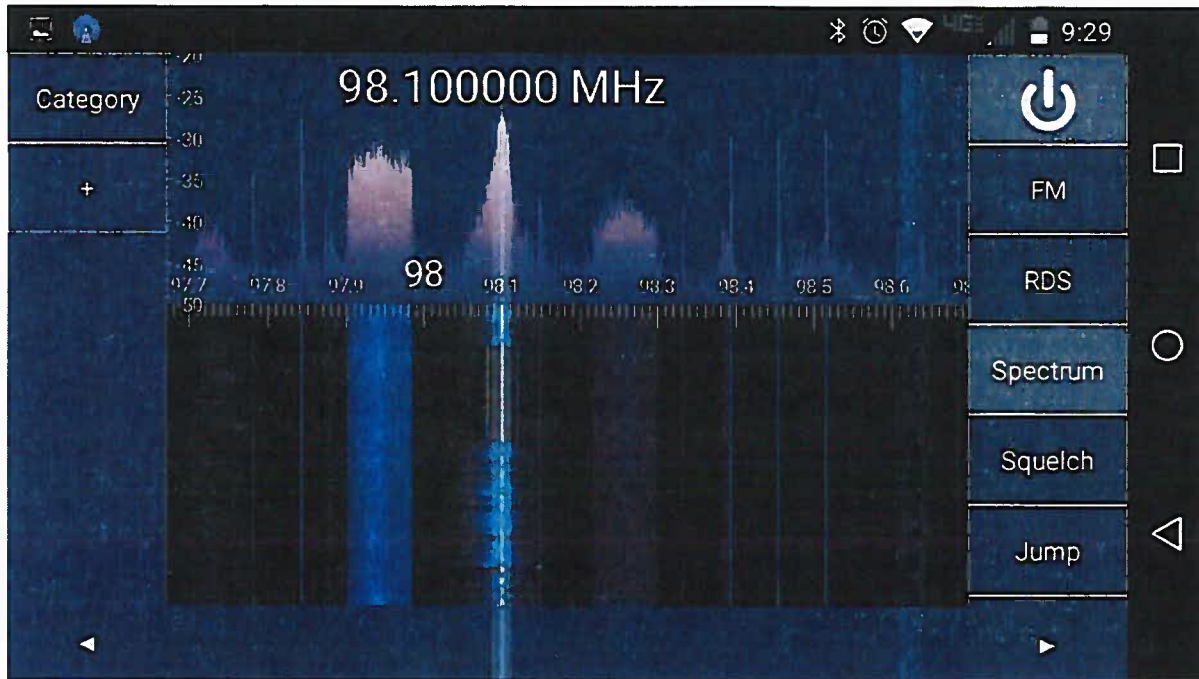
Rachele Hales

Operations Director

98.1 KING-FM

Facility ID No. 11755

Exhibit A



Spectrum analyzer image showing relationship between KING FM's main analog carrier and asymmetrical sidebands in Seattle, WA.

CANTI -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:

Classical Radio/KING FM 98.1

Signature:

Brenda Bame

Title:

CEO

Date:

2/28/2019