

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

April 6, 2017

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

Re: KING-FM, Seattle, Washington
Classic Radio
Facility ID No. 11755
File No. 20170306AJF

**Request for Extension of
Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced March 6, 2017, request for extension of experimental authority¹ (Request), submitted on behalf of Classic Radio, licensee of noncommercial educational FM Station KING-FM, Seattle, Washington,² to permit KING-FM to continue to conduct testing of hybrid FM in-band on-channel (IBOC) operation using 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, Classic Radio is seeking extension of its current experimental authority which permits operation of KING-FM with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc⁴ and upper sideband (USB) digital ERP of -14 dBc. In support of the Request, as required, Classic Radio submitted an interim report detailing the methodology employed and the progress and results of its testing under its current experimental authorization. In the report, Classic Radio states that KING-FM has operated its digital facilities using asymmetric digital sideband powers continuously since commencing operation pursuant to its original experimental authority in April 2015 without any complaints of interference or signal degradation. Classic Radio reports that throughout the current experimental period, it has continued listening tests on the experimental operation and finds that the

¹ File Number 20160310ABH.

² File Number BMLED-20110502AEJ.

³ 47 CFR § 5.203 (Section 5.203).

⁴ Decibels relative to analog carrier.

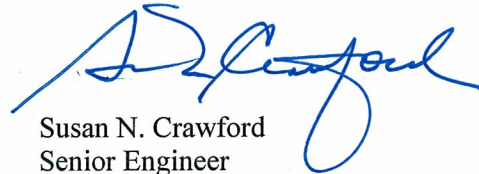
digital operation using asymmetric digital sideband powers has increased the KING-FM digital coverage to more closely match the KING-FM analog coverage.

Our review indicates that the proposed KING-FM 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. 99-325,⁵ and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the Request is HEREBY GRANTED. KING-FM may operate with digital ERP as follows:

Analog ERP:	68 kilowatts (kW) Max-DA, BT, H&V ⁶
LSB Digital ERP:	3.4 kW
USB Digital ERP:	1.35 kW.

This experimental authority expires on **April 6, 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: Classic Radio

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).