

**FEDERAL COMMUNICATIONS COMMISSION**  
**445 12<sup>th</sup> STREET, SW**  
**WASHINGTON, DC 20554**

**MEDIA BUREAU**  
**AUDIO DIVISION**  
**APPLICATION STATUS:** (202) 418-2730  
**HOME PAGE:** [www.fcc.gov/mb/audio/](http://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](mailto:Susan.Crawford@fcc.gov)

April 6, 2016

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. 20160310ABH

**Request for Extension of  
Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced March 10, 2016, request for extension of experimental authority 20150403ABZ<sup>1</sup> (Extension Request), submitted on behalf of Classic Radio, licensee of noncommercial educational FM Station KING-FM, Seattle, Washington,<sup>2</sup> to permit Station 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.<sup>3</sup>

In the Extension Request, Classic Radio is seeking extension of its current experimental authority which permits operation of Station KING-FM with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc<sup>4</sup> and upper sideband (USB) digital ERP of -14 dBc. In support of the Extension 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 Station KING-FM has operated its digital facilities continuously since commencing operation pursuant to its current experimental authority in April 2015 without any complaints of interference or signal degradation. Classic Radio further states that Station KING-FM operation with increased LSB digital power has resulted in improved outdoor reception of the digital signal and increased digital signal penetration in buildings and tunnels.

---

<sup>1</sup> File Number 20150403ABZ.

<sup>2</sup> File Number BMLED-20110502AEJ.

<sup>3</sup> 47 CFR § 5.203 (Section 5.203).

<sup>4</sup> Decibels relative to analog carrier.



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

Analog ERP:	68 kilowatts ("kW") Max-DA, H&V <sup>6</sup>
LSB Digital ERP:	3.4 kW
USB Digital ERP:	1.35 kW.

This experimental authority expires on **April 6, 2017**. 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  
Audio Division  
Media Bureau

cc: Classic Radio  
Erik C. Swanson P.E. (via email)

---

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

<sup>6</sup> All ERP values rounded in accordance with 47 CFR § 73.212(a).