

**FEDERAL COMMUNICATIONS COMMISSION**  
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August 11, 2016

Steven C. Schaffer, Esq.  
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Re: KUOW-FM, Seattle, Washington  
The University of Washington  
Facility ID No. 66571  
File No. 20160801AFL

**Request for Extension of  
Experimental Authority**

Dear Counsel:

The staff has under consideration the August 1, 2016, request for extension of experimental authority<sup>1</sup> submitted on behalf of The University of Washington (UofW), licensee of noncommercial educational FM station KUOW-FM, Seattle, Washington,<sup>2</sup> to permit KUOW-FM to continue to conduct testing of hybrid 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.<sup>3</sup>

The request states that UofW is seeking extension of its experimental authority to operate KUOW-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 its request, as required, UofW submitted an interim report concerning the methodology employed and the progress and results of its testing under the current experimental authorization. UofW states that throughout the current experimental period, the KUOW-FM digital operation with asymmetric digital sideband powers has been plagued with problems that have prevented KUOW-FM from achieving and

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<sup>1</sup> File No. 20150728ADC.

<sup>2</sup> File Number BMLED-20040623ABY.

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

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

maintaining maximum permitted digital sideband powers. UofW reports that its technical staff has identified and been working diligently to overcome both the equipment and power delivery problems that prevented full utilization of the authorized KUOW-FM digital parameters. Most recently, UofW reports damage to the KUOW-FM analog and digital antenna/combiner system that will not be repaired until at least early September 2016, at which time digital operation with -10 dBc LSB power and -14 dBc USB power will be resumed. Additionally, UofW reports that during the current experimental period, it has received no reports of objectionable interference resulting from the KUOW-FM experimental digital operation.

Our review indicates that the proposed KUOW-FM hybrid digital operation with asymmetric digital sideband powers complies with the contour nonoverlap and other technical requirements of the Media Bureau's Order adopted January 27, 2010, in MM 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**. KUOW-FM may operate with analog and asymmetric digital sideband ERPs as follows:

Analog ERP:	100 kilowatts (kW) (H&V) <sup>6</sup>
LSB Digital ERP:	5.0 kW
USB Digital ERP:	2.0 kW.

This experimental authority expires on **August 11, 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: The University of Washington

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<sup>5</sup> *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, MM Docket No. 99-325, Order, 25 FCC Rcd 1182 (MB 2010).

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