

**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/media/radio/audio-division](http://www.fcc.gov/media/radio/audio-division)

**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)

January 24, 2018

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

Re: KOJB(FM), Cass Lake, Minnesota  
Leech Lake Band of Ojibwe  
Facility ID No. 173472  
File No. 20171229ABF

**Request for Extension of  
Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced December 29, 2017, request for extension of experimental authority<sup>1</sup> (Request) submitted on behalf of Leech Lake Band of Ojibwe (LLBOO), licensee of noncommercial educational FM Station KOJB(FM), Cass Lake, Minnesota,<sup>2</sup> to permit KOJB to continue to conduct testing of single sideband multiplex stereo transmission. The experimental authority is requested pursuant to Section 5.203 of the Commission's Rules<sup>3</sup> for a period of one year.

The Request states that LLBOO is seeking further experimental authority to continue to operate KOJB with a technology developed by Omnia Audio known as single sideband suppressed carrier (SSBSC) modulation of the stereo subcarrier in the FM multiplex baseband signal for further testing. In support of the Request, LLBOO submitted an interim report detailing the progress and results of the testing undertaken during the experimental program as required by the experimental authorization. The report states that there is a perceived reduction in multipath interference and improved coverage in difficult to penetrate structures using the SSBSC technology. Additionally, LLBOO states that it has not received any reports of

---

<sup>1</sup> File No. 20170103ACA (Original underlying experimental authority is File No. 20130603BKB.)

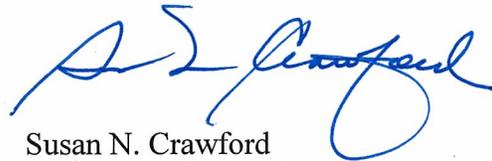
<sup>2</sup> File No. BLED-20110920ABY.

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

interference or decreased audio fidelity resulting from the currently authorized KOJB experimental operation.

Our review shows that the LLBOO request for extension of experimental authority for KOJB meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the request **IS HEREBY GRANTED**. This experimental authority expires on **September 9, 2018**. LLBOO received its initial experimental authorization, File No. 20130603BKB, for KOJB operation using SSBSC technology on September 9, 2013. Pursuant to Section 5.71(c) of the Commission's rules,<sup>4</sup> a broadcast experimental authorization is issued for a one year period and may be renewed for an additional term not exceeding five years upon an adequate showing of need. Upon expiration of this experimental authority, KOJB experimental operation using SSBSC technology will have reached the five year renewal limit set forth in Section 5.71(c), and no further extensions (renewals) of this authority will be granted. 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.

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan N. Crawford", is written over the typed name.

Susan N. Crawford  
Senior Engineer  
Audio Division  
Media Bureau

cc: Leech Lake Band of Ojibwe

---

<sup>4</sup> 47 CFR § 5.71(c) (Section 5.71(c)).