

**FEDERAL COMMUNICATIONS COMMISSION**  
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**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)

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August 31, 2017

Kathleen A. Kirby, Esquire  
Wiley Rein LLP  
1776 K Street, NW  
Washington, DC 20006

Re: KSHE(FM), Crestwood, Missouri  
Emmis Radio License, LLC  
Facility ID No. 19523  
File No. 20170802AFO

**Request for Extension of  
Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced August 2, 2017, request for extension of experimental authority<sup>1</sup> submitted on behalf of Emmis Radio License, LLC (Emmis), licensee of commercial FM station KSHE(FM), Crestwood, Missouri,<sup>2</sup> to permit KSHE(FM) 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 Emmis is seeking further experimental authority to continue to operate KSHE(FM) using technology developed by Omnia Audio known as single sideband suppressed carrier (SSBSC) modulation of the stereo subcarrier in the FM multiplex baseband signal (SSBSC modulation technology) for further testing. In support of the extension request, as required, Emmis submitted an interim report of the methodology used and results obtained during the current experimental operation. Emmis states therein that the results of the current experimental operation using SSBSC modulation technology are favorable based on listening tests, using several different types of receivers, that show that multipath distortion of the KSHE(FM) signal appears to be reduced in known problem areas.

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<sup>1</sup> File No. 20160817ABL.

<sup>2</sup> File Number BLH-20150227ACE.

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

The Emmis request for extension of experimental authority for KSHE(FM) meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the request is HEREBY GRANTED. This experimental authority expires on **August 31, 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 further 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 report detailing 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: Emmis Radio License, LLC