

FEDERAL COMMUNICATIONS COMMISSION
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Re: KSHE(FM), Crestwood, Missouri
St. Louis FCC License Sub, LLC
Facility ID No. 19523
File No. 20190724AAP

**Request for Extension of Experimental
Authority**

Dear Counsel:

The staff has under consideration the above-referenced July 24, 2019, request for experimental authority¹ (Request) submitted on behalf of St. Louis FCC License Sub, LLC ("Hubbard Radio"), licensee of commercial FM station KSHE(FM), Crestwood, Missouri,² to permit KSHE to conduct testing of single sideband multiplex stereo transmission. The experimental authority is requested pursuant to Section 5.203 of the Commission's Rules³ for a period of one year.

The Request seeks an extension of its experimental authority to operate KSHE 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 (SSBSC modulation technology). Hubbard Radio states that it has continued to experiment using the SSBSC modulation technology to assess the effect of multipath interference reduction. Hubbard Radio further states that it has conducted listening tests on different types of receivers, and the results continue to demonstrate that multipath distortion has been reduced in known problem areas.

The Request for experimental authority meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the Request is **HEREBY GRANTED**. This experimental authority expires on **August 18, 2020**. This authority is specifically conditioned on the lack of objectionable

¹ File No. 20150805ABS (granted 8/18/2015), as extended by File No. 20160817ABL, File No. 20170802AFO, and File No. 20181221AAN

² File No. BLH-20150227ACE.

³ 47 CFR § 5.203 (Section 5.203).

interference. A report detailing the methodology employed and the results obtained must be submitted within 90 days following the conclusion of the experimental operation.

Pursuant to Section 5.71(c) of the Commission's rules, 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.⁴ Upon expiration of this experimental authority, KSHE(FM)'s experimental operation using the SSBSC modulation technology will have reached the five year renewal limit set forth in Section 5.71(c), and no further renewals of this authority will be granted

Sincerely,

A handwritten signature in blue ink, appearing to read "Rodolfo F. Bonacci". The signature is stylized and includes a long horizontal stroke at the end.

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

cc: St. Louis FCC License Sub, LLC

⁴ 47 CFR § 5.71(c) (Section 5.71(c)).