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December 17, 2015

Milford K. Smith, Jr.
Vice President, Radio Engineering
Greater Media, Inc.
P.O. Box 6501
Lawrenceville, NJ 08648

Re: Station WCSX(FM), Birmingham, Michigan
Greater Boston Radio, Inc.
Facility ID No. 25084
File No. 20151201HXG

Request for Extension of Experimental Authority

Dear Mr. Smith:

This letter is in reference to the December 1, 2015, request submitted by Greater Boston Radio, Inc. (GBRI), licensee of commercial FM broadcast station WCSX(FM), Birmingham, Michigan,¹ seeking extension of its current experimental authority² permitting testing of hybrid in-band-on-channel (IBOC) FM digital operation using asymmetric digital sideband powers. The experimental authority is requested pursuant to Section 5.203 of the Commission's Rules.³

GBRI is seeking extension of its experimental authority, which permits operation of station WCSX(FM) with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc⁴ and upper sideband (USB) digital ERP of -10 dBc, in order to continue testing and operation using this mode of digital transmission. In support of its request, as required, GBRI submitted an interim report concerning the methodology employed and the progress and results of its digital operation and testing pursuant to its current experimental authorization. GBRI states that the experimental operation initially encountered a minor digital sideband power metering issue that was promptly addressed and corrected by the transmitter manufacturer, and that the operation has been continuous and stable since that time. GBRI further states that it has not received any complaints of interference resulting from the station WCSX(FM) experimental digital operation. Additionally, GBRI reports improved and stable digital reception and coverage resulting from the experimental operation.

¹ File No. BMLH-19981008KA. Station WCSX(FM), Facility ID No. 25084, is licensed to operate on channel 234B (94.7 megahertz) using 13.5 kilowatts (kW) ERP, circularly polarized, and 290 meters antenna radiation center height above average terrain, at a transmitter site described by geographic coordinates 42° 27' 13" North Latitude, 83° 09' 50" West Longitude, referenced to 1927 North American Datum.

² File No. 20141107AEH.

³ 47 CFR § 5.203 (Section 5.203).

⁴ Decibels below analog carrier.

We reviewed the GBRI request for extension of experimental authority and find that it meets the requirements for experimental operations set forth in Section 5.203, as well as the contour nonoverlap and other technical requirements of the Media Bureau's Order adopted January 27, 2010, in Mass Media Docket No. 99-325.⁵ Accordingly, the request IS HEREBY GRANTED. Station WCSX(FM) may operate with increased digital ERP as follows:

Analog ERP:	13.5 kW
LSB Digital ERP:	0.540 kW
USB Digital ERP:	1.35 kW.

This experimental authority expires on **December 17, 2016**, and is specifically conditioned on the lack of objectionable interference. Operation pursuant to this authority must be discontinued if complaints of interference are received. 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

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