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January 25, 2018

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1200 New Hampshire Avenue, NW
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Re: WJSP-FM, Warm Springs, Georgia
Georgia Public Telecommunications
Commission
Facility ID No. 23927
File No. 20171219AEY

**Request for Extension of
Experimental Authority**

Dear Counsel:

The staff has under consideration the above-referenced December 19, 2017, request for extension of experimental authority (Request),¹ submitted on behalf of Georgia Public Telecommunications Commission (GPTC), licensee of noncommercial educational FM Station WJSP-FM, Warm Springs, Georgia,² to permit WJSP-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.³

The Request states that GPTC seeks extension of its experimental authority to operate WJSP-FM with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc⁴ and upper sideband (USB) digital ERP of -14 dBc. In support of the Request, as required, GPTC submitted an interim report detailing the methodology employed and the progress and results of its testing under the current experimental authorization. GPTC reports that recent drive testing throughout the WJSP-FM service area showed that there is significant improvement in digital reception resulting from the increased LSB digital ERP operation, and that the improved digital reception closely replicates WJSP-FM's analog reception.

¹ File No. 20161215ACH (Original underlying experimental authority is File No. 20151216ASL).

² File Number BLED-20131101AGM. WJSP-FM, Facility ID No. 23927, is licensed to operate on channel 201C (88.1 megahertz) using 100 kilowatts (kW) effective radiated power (ERP), a circularly polarized directional antenna, and 461 meters antenna radiation center height above average terrain, at a transmitter site described by geographic coordinates 32° 51' 08" North Latitude, 84° 42' 04" West Longitude, referenced to 1927 North American Datum.

³ 47 CFR § 5.203 (Section 5.203).

⁴ Decibels relative to analog carrier.

Our review of the Request indicates that the proposed WJSP-FM experimental operation complies with 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 and the Request meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the Request **IS HEREBY GRANTED**. Station WJSP-FM may operate with digital ERP as follows:

Analog ERP:	100 kilowatts (kW), Max-DA, H&V ⁶
LSB Digital ERP: ⁷	5.0 kW
USB Digital ERP:	2.0 kW.

This experimental authority expires on **January 25, 2019**. 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
Senior Engineer
Audio Division
Media Bureau

cc: Georgia Public Telecommunications Commission

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

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

⁷ Digital ERP values shown are for MP1 service mode. The licensee must adjust the station's asymmetric total digital sideband ERP values in accordance with NRSC guideline "NRSC-G202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (April 2016) if operating using a service mode other than MP1.