



Federal Communications Commission
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MEDIA BUREAU
AUDIO DIVISION
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Re: WVHT(FM), Norfolk, Virginia
Facility ID No. 71287
MHR License LLC
File No. 20220420AAB

Request for Experimental Authority

Dear Counsel:

The staff has under consideration the April 20, 2022 request for experimental authority submitted on behalf of MHR License LLC (MHR), licensee of commercial FM station WVHT, Norfolk, Virginia,¹ to permit WVHT to conduct testing of hybrid digital 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.²

The request states that MHR is seeking experimental authority to operate WVHT with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc³ and upper sideband (USB) digital ERP of -10 dBc.

Our review indicates that the proposed WVHT digital operation complies with the contour nonoverlap and other technical requirements of the Media Bureau's *Order* adopted January 27, 2010, in MM Docket No. 99-325⁴, and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203.

¹ File No. BLH-19820505AM. WVHT is licensed for analog operation on Channel 263B (100.5 megahertz) with 50 kilowatts effective radiated powers (ERP) and 152 meters antenna radiation center height above average terrain (HAAT) using a non-directional antenna.

² 47 CFR § 5.203 (Section 5.203).

³ Decibels relative to analog carrier.

⁴ *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, MM Docket No. 99-325, Order, 25 FCC Red 1182 (MB 2010) (Order).

Accordingly, the request is HEREBY GRANTED. WVHT may operate with increased digital ERP as follows:

Analog ERP:	50 kilowatts (kW)
Digital LSB ERP: ⁵	1.2 kW ⁶
Digital USB ERP:	3.0 kW

This experimental authority expires on **May 27, 2023**. 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 detailing the progress of the experimental operation as of the filing date of the request.

Sincerely,

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

cc: Clarence Beverage, CBEVERAGE@COMMTECHRF.COM (via Email)

⁵ Digital ERP values shown are for MP3 service mode. The licensee must adjust the station's asymmetric total digital sideband ERP values in accordance with NRSC guideline "NRSC-G202, FM IBOC Total Digital Sideband Power for Various Configurations" (September 2016) if operating using other service modes.

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