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April 21, 2023

To: [Audiofilings@fcc.gov](mailto:Audiofilings@fcc.gov)

Re: Broadcast Station WVBW-FM (formerly WVHT), Norfolk, VA  
Facility ID No. 71287  
FRN # 0012576385  
Request for Experimental Authority to Operate with  
Asymmetrical Hybrid Digital Sideband Power

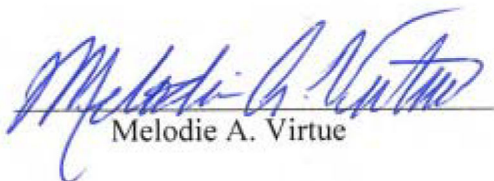
Dear Audio Division Staff:

On behalf of MHR License LLC, licensee of FM radio station WVBW-FM (formerly WVHT), Norfolk, Virginia, pursuant to FCC Rule 5.203, this letter is written to request an extension of its experimental authority for one year to operate WVBW-FM full-time with asymmetrical hybrid digital sideband power. The most recent authorization was granted on May 27, 2022, from Rodolfo F. Bonacci in the Audio Division of the Media Bureau ("Initial Experimental Authorization"). A copy of the Experimental Authorization is attached along with the report from Joshua Luckett, Director of Engineering, detailing the methodology employed and the results obtained.

Enclosed is the Anti-Drug Abuse Certification of the licensee. A filing fee will be submitted when the FCC file number is assigned.

Please direct any questions regarding this matter to the undersigned.

Respectfully submitted,



Melodie A. Virtue

MAV:cll

Attachments

cc: Mr. Rodolfo Bonacci (via email to [rodolfo.bonacci@fcc.gov](mailto:rodolfo.bonacci@fcc.gov))  
Ms. Priscilla Lee (via email to [priscilla.lee@fcc.gov](mailto:priscilla.lee@fcc.gov))

## ANTI -DRUG ABUSE CERTIFICATION

The applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862a, or, in the case of a non-individual applicant (e.g. corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. §1.2002(b).

☒ Yes

☐ No

Name of Applicant: MHR License LLC

Signature: 

Title: Vice President

Date: April 8, 2023

April 18, 2023

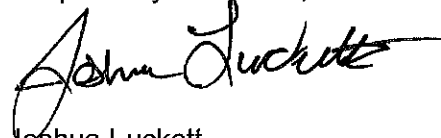
Station WVBW – (FM), Norfolk, VA  
Facility ID No. 71287  
Operation and Request for Extension of  
Experimental Authority

Pursuant to a previous request by MHR License LLC, licensee of WVBW-FM (formerly WVHT), Norfolk, VA (Facility ID No. 71287), experimental authority (EA) was granted to WVBW-FM to operate with asymmetrical IBOC sidebands. Specifically, WVBW-FM was authorized to operate with a digital power of -10 dBc on its lower sideband and -14 dBc on its upper sideband. WVBW-FM operation before asymmetrical operation under the EA was at -14 dBc, symmetrical.

Asymmetrical operation by WVBW-FM was initiated on July 28th, 2022, and has been continuous up to and including the date of this letter. There have been no complaints of interference from any party during the year of operation in this mode. The transmission system, consisting of a new Nautel GV30 Transmitter and Nautel HDMC+ Importer and Exporter, has experienced no issues.

The licensee appreciates the FCC grant of experimental authority, believing that the greatest current value is to gather field data regarding interference and to hopefully use that data to support transitioning full HD power asymmetrical operation to normal rather than experimental authority.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Joshua Lockett", with a stylized flourish at the end.

Joshua Lockett

Director of Engineering

Max Media of Hampton Roads



**Federal Communications Commission**  
**Washington, D.C. 20554**  
May 27, 2022

**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)

**PROCESSING ENGINEER:** Priscilla M. Lee  
**TELEPHONE:** (202) 418-2957  
**GROUP FACSIMILE:** (202) 418-1411  
**INTERNET ADDRESS:** [Priscilla.Lee@fcc.gov](mailto:Priscilla.Lee@fcc.gov)

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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,<sup>1</sup> 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.<sup>2</sup>

The request states that MHR is seeking experimental authority to operate WVHT with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc<sup>3</sup> 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. 99-325<sup>4</sup>, and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203.

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<sup>1</sup> 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.

<sup>2</sup> 47 CFR § 5.203 (Section 5.203).

<sup>3</sup> Decibels relative to analog carrier.

<sup>4</sup> *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, MM Docket No. 99-325, Order, 25 FCC Rcd 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: <sup>5</sup>	1.2 kW <sup>6</sup>
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)

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<sup>5</sup> 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.

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