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April 20, 2022

**By Email: [rodolfo.bonacci@fcc.gov](mailto:rodolfo.bonacci@fcc.gov); [priscilla.lee@fcc.gov](mailto:priscilla.lee@fcc.gov)**

Mr. Rodolfo Bonacci  
Ms. Priscilla Lee  
Federal Communications Commission  
Audio Division, Media Bureau  
Washington, DC 20554

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

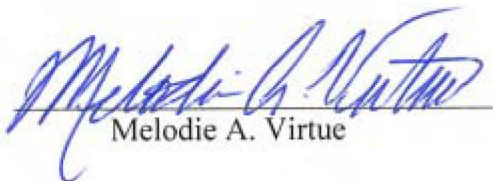
Dear Mr. Bonacci and Ms. Lee:

On behalf of MHR License LLC, licensee of FM radio station WVHT (FM), Norfolk, Virginia, pursuant to FCC Rule 5.203, this letter is written to request experimental authority for one year to operate WVHT full-time with asymmetrical hybrid digital sideband power as set forth in the attached Engineering Exhibit of Clarence Beverage.

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

## Engineering Statement in Support of Request for Experimental Authority

### WVHT(FM) CH 263B Norfolk, Virginia Operation with Asymmetrical HD and a Maximum HD Power of -10 dBc March 2022

This request is being submitted on behalf of MHR License LLC ("MHR"), licensee of commercial FM Station WVHT(FM), facility ID 71287, Norfolk, Virginia to permit Station WVHT(FM) to conduct testing of hybrid digital FM in-band on-channel HD operation with asymmetric power levels in the digital sidebands. Specifically MHR seeks experimental authority to operate Station WVHT(FM) with lower sideband ("LSB") digital effective radiated power ("ERP") of -14 dBc and upper sideband ("USB") digital ERP of -10 dBc. This request is supported by a showing that the proposed operation complies fully with the contour nonoverlap requirements of the Media Bureau's Order adopted January 27, 2010, in MM Docket No. 99-325 for operation with -10 dBc USB digital ERP.

Our study of the FCC LMS database shows only one FM station that requires detailed analysis with regard to possible interference from the proposed WVHT(FM) HD facility and that facility is:

WKYV CH 262A PETERSBURG, VA BMLED - 20161207AAV

The attached map, Figure 1, depicts the pertinent HD allocation contours. Based on this map WVHT(FM) may not propose an ERP over -14 dBc on the lower sideband as both the 51.2 dBu and 49.5 dBu F(50,10) contours overlap the WKYV 60 dBu F(50,50) coverage contour. No protection requirements were found on the upper sideband that would preclude operation with -10 dBc. On this basis it is believed that the proposed Station WVHT(FM) operation complies with the contour nonoverlap and other technical requirements of the Order and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203.

The proposed transmission facilities are summarized below:

Analog TPO of 18 kW	
Low level combined	
Nautel GV30N	
Analog ERP:	50 kW H&V
Digital LSB ERP:	2.0 kW
Digital USB ERP:	5.0 kW

The foregoing was prepared on behalf of MHR License LLC by Clarence M. Beverage of *Communications Technologies, Inc.*, Medford, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



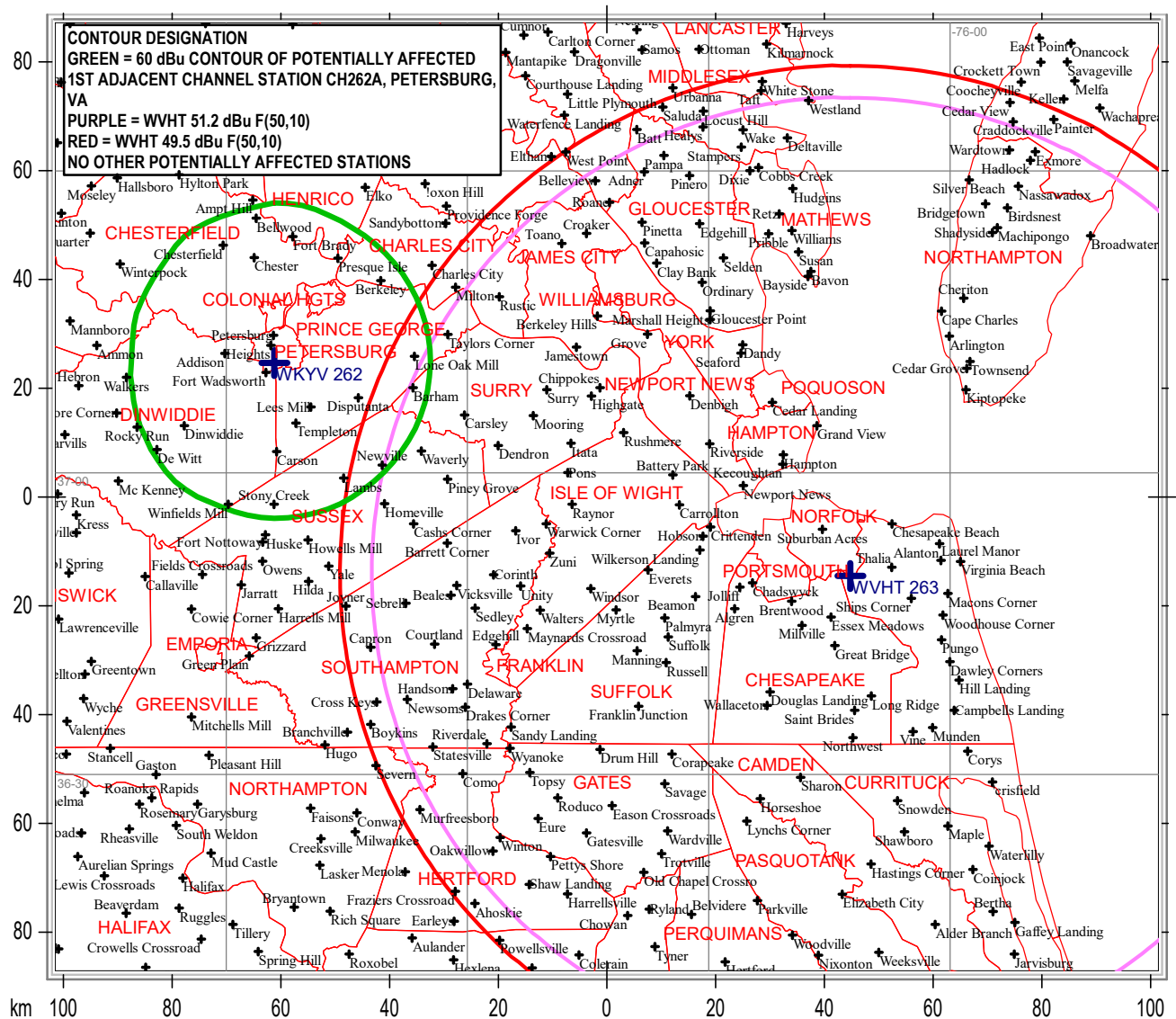
Clarence M. Beverage

*for* Communications Technologies, Inc.

Medford, New Jersey

March 23, 2022

## WVHT CH 263B NORFOLK, VIRGINIA



Communications Technologies, Inc. Medford, New Jersey

County Borders Lat/Lon Grid

## 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:

[Handwritten Signature]

Title:

Vice President

Date:

4/8/2022