



1000 Potomac Street N.W.
Suite 200
Washington, D.C. 20007

Main: 202.965.7880
Fax: 202.965.1729
foster.com

Direct Phone: 202.298.2527
melodie.virtue@foster.com

April 20, 2022

By Email: rodolfo.bonacci@fcc.gov; priscilla.lee@fcc.gov

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

Re: Broadcast Station WVBW(FM), Suffolk, VA
Facility ID No. 64000
FRN # 0012576385
Request for Experimental Authority to Operate with
Asymmetrical Hybrid Digital Sideband Power

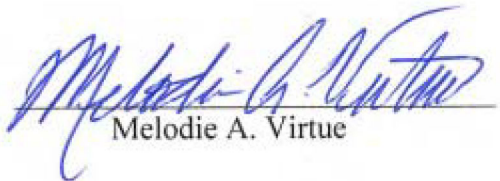
Dear Mr. Bonacci and Ms. Lee:

On behalf of MHR License LLC, licensee of FM radio station WVBW (FM), Suffolk, Virginia, pursuant to FCC Rule 5.203, this letter is written to request experimental authority for one year to operate WVBW 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

WVBW(FM) CH 225B Suffolk, 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 WVBW(FM), facility ID 64000, Suffolk, Virginia to permit Station WVBW(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 WVBW(FM) with lower sideband ("LSB") digital effective radiated power ("ERP") of -10 dBc and upper sideband ("USB") digital ERP of -14 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 LSB 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 WVBW(FM) HD facility and that facility is:

WWLB CH 226A ETTRICK, VA BMLD - 20180102AAM

The attached map, Figure 1, depicts the pertinent HD allocation contours. Based on this map WVBW(FM) may not propose an ERP over -14 dBc on the upper sideband as both the 51.2 dBu and 49.5 dBu F(50,10) contours overlap the WWLB 60 dBu F(50,50) coverage contour. No protection requirements were found on the lower sideband that would preclude operation with -10 dBc. On this basis it is believed that the proposed Station WVBW(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:	5.0 kW
Digital USB ERP:	2.0 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

CONTOUR DESIGNATION
GREEN = 60 dBu CONTOUR OF POTENTIALLY AFFECTED 1ST ADJACENT CHANNEL STATION CH 226A, ETRICK, VA
PURPLE = WVWB 51.2 dBu F(50,10)
RED = WVWB 49.5 dBu F(50,10)
NO OTHER POTENTIALLY AFFECTED STATIONS

The map displays the Chesapeake Bay region with various counties and cities labeled. Two specific stations are highlighted with blue crosses: WVLB 226 (located near Etrick, VA) and WVWB 225 (located near Norfolk, VA). The map shows the 60 dBu contour for WVLB 226 in green, the 51.2 dBu contour for WVWB 225 in purple, and the 49.5 dBu contour for WVWB 225 in red. The map also includes a scale bar in km (0 to 120) and a latitude/longitude grid.

 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