



Federal Communications Commission
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: 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

Melodie A. Virtue, Esq.
Foster Garvey, PC
1000 Potomac Street, N.W. #200
Washington, DC 20007
Melodie.virtue@foster.com

Re: WGH-FM, Newport News, VA
MHR License LLC
Facility ID No. 72102
File No. 20220420AAD

**Request for Increased Digital Power
Hybrid IBOC Digital Operation**

Dear Applicant:

This is in reference to the request filed April 20, 2022, on behalf of MHR License LLC (MHR), licensee of FM broadcast station WGH-FM, Newport News, VA.¹ MHR requests authority to operate WGH-FM with increased digital ERP of -10 dBc,² pursuant to the Media Bureau's Order adopted January 27, 2010, in MM Docket No. 99-325.³

Our review indicates that the notification requirements of the Order have been satisfied, and that the proposed operation complies with the contour non-overlap and other technical requirements of the Order.

¹ File No. BMLH-19960130KB. WGH-FM is licensed for analog operation on Channel 247B (97.3 megahertz) with 74 kilowatts (kW) effective radiated power (ERP) and 120 meters antenna radiation center height above average terrain (HAAT) using a non-directional antenna.

² Decibels relative to analog carrier.

³ *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010) (Order).

Accordingly, the request IS HEREBY GRANTED. WGH-FM may operate with increased digital ERP and transmitter power output (TPO), as follows:

Analog ERP:	74 kW (H&V) ⁴
Digital ERP:	7.4 kW (H&V) ⁵
Analog TPO:	24 kW
Digital TPO:	2.4 kW
Combined TPO:	26.4 kW

MHR must use whatever means are necessary to protect workers and the public from exposure to radio frequency radiation in excess of the Commission's exposure guidelines; *See* Section 1.1310 of the Commission's Rules.⁶ It may be necessary to reduce the power of the digital signal or cease hybrid operation if interference complaints are received. This authority may be modified or cancelled by the Commission without notice or right to hearing. This authority attaches to, and runs concurrently with, the main station license. MHR must post a copy of this authority with the station license.

Sincerely,

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

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

⁴ All ERP and TPO values rounded in accordance with 47 C.F.R. § 73.212(a).

⁵ Licensee specified the use of symmetric digital sideband power levels. Using the total digital sideband ERP values set forth in NRSC guideline "NRSC-G202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (*NRSC-G202-2*) (April 2016) for MP1 service mode with symmetric digital sideband power levels, the maximum permissible total digital sideband ERP for WGH-FM is 7.4 kW. The licensee must adjust the station's total digital sideband ERP in accordance with NRSC-G202-A if operating using a service mode other than MP1, *i.e.*, MP2, MP3 or MP11 and symmetric digital sideband power levels.

⁶ 47 C.F.R. § 1.1310.