

ENGINEERING REPORT COVERING
REQUEST FOR CONSTRUCTION PERMIT
MARYLAND MEDIA ONE LLC
FOR WHGM 1330 KILOHERTZ
HAVRE DE GRACE, MARYLAND

APRIL 2021

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SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Maryland Media One LLC., hereinafter referred to as "MMO", in support of an application for construction permit for AM station WHGM Havre de Grace, Maryland. MMO is the licensee of WHGM. WHGM is licensed to operate as a Class B station on a frequency of 1330 kilohertz on an unlimited time basis. During the daytime hours, a non-directional antenna system with power of 5 kilowatts is used and a three tower directional antenna system with power of .5 kilowatts is used during the nighttime hours. The sole purpose of this application is to request to convert the nighttime operation to a non-directional antenna and reduce power. Requested nighttime power is .023 kilowatts energizing the center tower, which is the tower used for the daytime operation. No other changes are proposed.

ALLOCATION CONSIDERATIONS

A nighttime allocation study was conducted for the proposed WHGM facility. Based on the study results, the primary allocation constraint for WHGM was determined to be co-channel station WWRV New York, New York. The licensed WHGM facility is a contributor to the 50% WWRV RMS limit. As shown in Table 1, the proposed WHGM facility reduces the contribution to the WWRV night limit. The WHGM proposal will not increase or cause new interference to any legally qualified foreign or domestic station.

No changes are proposed for the WHGM daytime operation.

TECHNICAL DATA AND EXHIBITS

Since this application will result in a classification downgrade from Class B to Class D, nighttime city of license coverage requirements are not applicable, nor are blanketing interference rules, as the daytime 5 kilowatt power far exceeds the nighttime proposal of .023 kilowatts

GROUND SYSTEM

WHGM will continue to use the existing ground system which consists of 120 equally spaced, buried, copper radials about the base of the center tower, with a length of 56 meters.

ANSI RADIATION GUIDELINES

Since the proposed nighttime power is substantially less than the licensed 5 kilowatt daytime power, it can be safely concluded the application is fully compliant with respect to standards set forth in FCC Bulletin OST Number 65, Edition 97-01, regarding human exposure to radiofrequency radiation.

DECLARATION

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Freehold, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,

Charles A. Hecht

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April 5, 2021

TABLE 1
AM Nighttime Allocation Study
WWRV NEW YORK, NY

Coordinates: 40-50-42.0 N 74-01-12.0 W

Frequency: 1330 Khz

Initial PWR: 3.80 kw

Initial Inv Field: 762.30 mV/M

SITE INFO

CALL	FRQ	LOC	CITY	ST	DIST	CLASS	SL/DIST	GEOMAG	MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT
WYRD	1330	US	GREENVILLE	SC	993.0	B	1012.9	49.2	45.4	329.7	6.0	11.3	319.1	0.040774	2.602	
WHGM	1330	US	HAVRE DE G	MD	228.0	B	303.3	51.6	50.7	20.8	31.7	45.8	33.1	0.262379	1.735	
WHGMP	1330	US	HAVRE DE G	MD	228.0	B	303.3	51.6	50.7	43.7	31.7	45.8	32.4	0.262379	1.703	