

FOR  
FCC  
USE  
ONLY

**FCC 335-FM**  
**DIGITAL NOTIFICATION**

FOR COMMISSION USE ONLY

FILE NO.

**SECTION I - GENERAL INFORMATION**

1. Legal Name of the Applicant **Adams Radio of Delmarva Peninsula, LLC**
- Mailing Address **16233 Kenyon Ave; Suite 220**
- City **Lakeville** State or Country (if foreign address) **MN** ZIP Code **55044**
- Telephone Number (include area code) **1(952)232-0876** E-Mail Address (if available) **ronstone@adamsradiogroup.com**
- FCC Registration Number **0023239692** Call Sign **WOCQ(FM)** Facility ID Number **47107**
2. Contact Representative (if other than licensee/permittee) **Gregg P. Skall, Esq.** Firm or Company Name **Telecommunications Law Professionals PLLC**
- Mailing Address **1025 Connecticut Ave, NW; Suite 1011**
- City **Washington, D.C.** State or Country (if foreign address) **DC** ZIP Code **20036**
- Telephone Number (include area code) **1(202)789-3121** E-Mail Address (if available) **gskall@tlp.law**
3. Community of License: **Berlin** State: **MD**
4. Digital broadcasts commenced on: **11/01/2016** (mm/dd/yyyy)
5. In the event of interference, questions should be directed to licensee's technical representative:
- |                              |  |
|------------------------------|--|
| Name<br><b>Carl Fletcher</b> | Telephone Number (include area code, omit dashes)<br><b>1(219)462-6111</b> |
|------------------------------|--|
6. Effective Radiated Power:
- Analog: **6.0** kilowatts
- Digital: **0.6** kilowatts
- Transmitter Power Output:
- Combined (for low-level combined systems): **8.14** kilowatts
- Analog (for separate analog systems): \_\_\_\_\_ kilowatts
- Digital (for separate digital systems): \_\_\_\_\_ kilowatts
7. Licensee certifies that, except for digital power, its facilities conform to the iBiquity Digital Corporation hybrid specifications: ☒ Yes ☐ No
8. Licensee certifies its analog effective radiated power will remain as authorized after commencement of digital operations: ☒ Yes ☐ No
9. Licensee certifies that its interim digital operation will not cause human exposure to radio frequency radiation in excess of the limits for maximum permissible exposure specified in Section 1.1310 of the Commission's rules, and it is therefore categorically excluded from environmental processing pursuant to Section 1.1306(b) of the Commission's rules: ☒ Yes ☐ No
- If No, licensee must submit an environmental assessment (EA) and may not commence interim digital operation until the EA is acted upon by the Commission.
- Exhibit No. \_\_\_\_\_

## CERTIFICATION

I hereby certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations.

Typed or Printed Name of Person Signing <b>Carl Fletcher</b>	Typed or Printed Title of Person Signing <b>Director of IT</b>
Signature <i>Carl Fletcher</i>	Date <b>1/28/22</b>

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

## FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

We have estimated that each response to this collection of information will take on average 1 hour. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this burden estimate, or on how we can improve the collection and reduce the burden it causes you, please e-mail them to [pra@fcc.gov](mailto:pra@fcc.gov) or send them to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-1034), Washington, DC 20554. Please DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number of if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1034.

**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, P.L.104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.**

## Explanation of (-10 dBc) IBOC Digital Notification Request

The applicant certifies RF Compliance with the attached study.

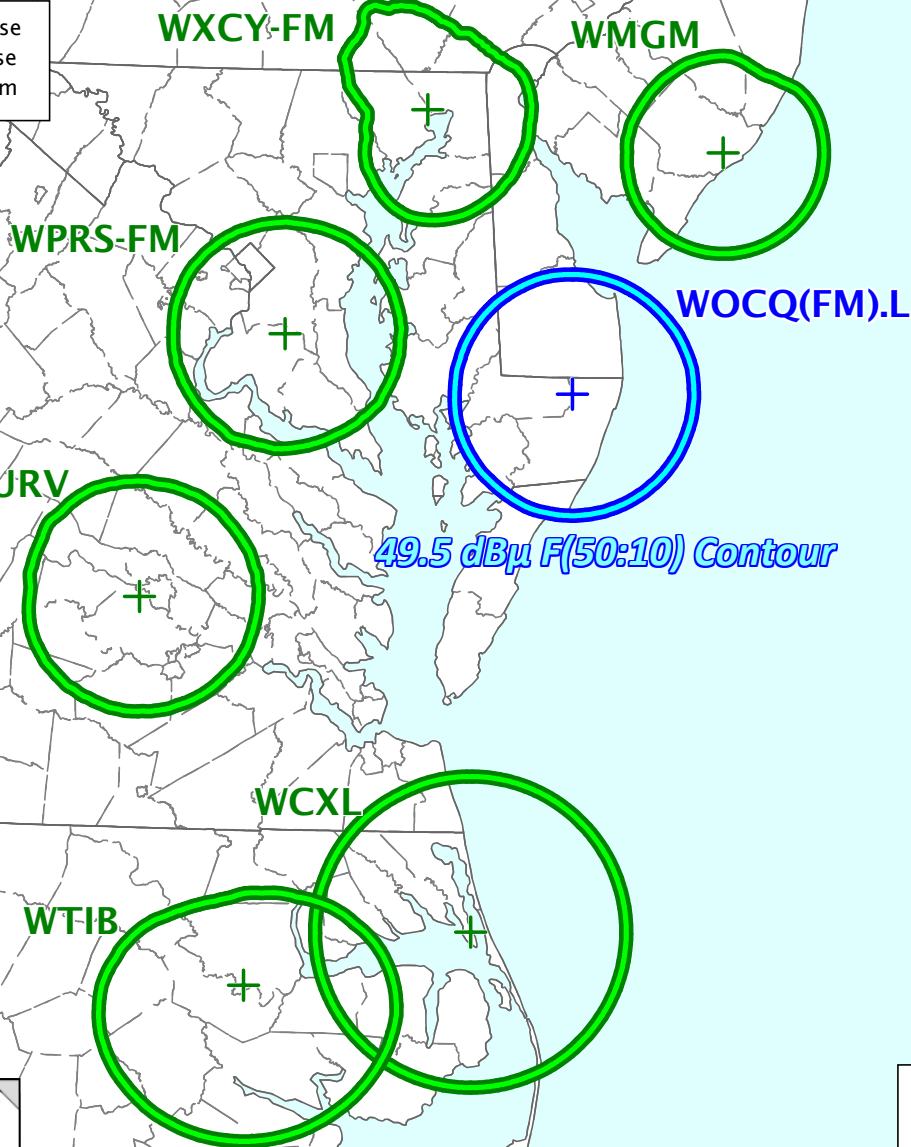
Regarding compliance with the NEPA, Nationwide Programmatic Agreement and NHPA Section 106 for tower co-location, compliance with the Agreement is not required where no new tower construction is being proposed and the tower is not being substantially altered. Specifically, compliance is not necessary where only a digital FM service is being diplexed into an existing antenna and feed-line, as here. However, should the Commission determine compliance is necessary, upon notification to the applicant, the applicant will file FCC Form 621.

Regarding operation with the -10 dBc (10.0% analog) digital power, the applicant certifies it complies with FCC Order DA 10-208, "*Digital Audio Broadcasting Systems and Their Impact on the Terrestrial Radio Broadcast Service*" (MM Docket No. 99-325), released January 29, 2010 and Paragraph 20. Operation in excess of -14 dBc (4.0% analog power) but not exceeding -10 dBc (10.0% analog power) below carrier is allowable upon a showing of protection toward all potentially affected first-adjacent channel analog FM stations. A copy of the "*First Adjacent Channel HD-IBOC Power Study for WOCQ(FM)*" has been included herein.

Pursuant to a 07/23/21 correspondence with Commission staff, HD/IBOC Digital Notifications above -14 dBc (-14 dBc to -10 dBc) may now be filed directly on a Form 335-FM *in lieu* of the former STA based notification procedure.

Call Sign	Lic	Chan.	City	ST	FacID	File Number	Licensee
WOCQ(FM).L	LIC	280A	Berlin	MD	47107	BLH19980630KF	Adams Radio Of Delmarva Penin
WTIB	LIC	279C1	Williamston	NC	9643	BMLH20101022AAA	Inner Banks Media, LLC
WCXL	LIC	281C1	Kill Devil Hills	NC	55248	BLH20040324AER	Jam Media Solutions, LLC
WURV	LIC	279B	Richmond	VA	37230	BLH19831117BF	Sm-Wurv, LLC
WPRS-FM	LIC	281B	Waldorf	MD	74212	BMLH20070809ABE	Radio One Licenses, LLC
WXCY-FM	LIC	279B	Havre De Grace	MD	53488	BLH20021015ABT	Fm Radio Licenses, LLC
WMGM	LIC	279B	Atlantic City	NJ	61100	BLH19971121KA	Longport Media, LLC

NED 03 SEC Terrain Database  
US Census 2020 PL Database  
NED 1983 Coordinate Datum



## Berlin, MD - WOCQ(FM).L First Adjacent Channel HD-FM Max Power Study

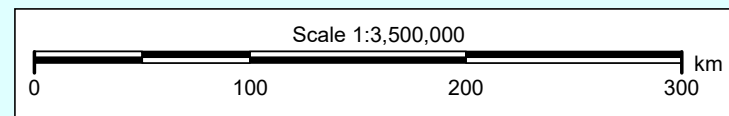
A licensee desiring FM Digital ERP in excess of -14 dBc is required to calculate the station's analog F(50,10) field strength at all points on the protected 60 dBu F(50,50) contour of a potentially affected first-adjacent channel analog FM station. This calculation must be done using the station's licensed analog facilities and the standard FCC contour prediction methodology. Once the most restrictive analog F(50,10) field strength of the proponent station has been determined, the licensee will use the following table to determine the proponent station's maximum permissible FM Digital ERP:

Proponent Analog F(50,10) Field Strength at  
Protected Analog 60 dBu F(50,50) Contour  
(Maximum Permissible FM Digital ERP)

51.2 dBµ and above -14 dBc (4.0% Analog Power)  
50.7 dBµ - 51.1 dBµ -13 dBc (5.0% Analog Power)  
50.3 dBµ - 50.6 dBµ -12 dBc (6.3% Analog Power)  
49.6 dBµ - 50.2 dBµ -11 dBc (7.9% Analog Power)  
49.5 dBµ - or less -10 dBc (10.0% Analog Power)

**WOCQ(FM).L**  
Berlin, MD  
BLH19980630KF  
Facility ID: 47107  
Latitude: 38-22-58.40 N  
Longitude: 075-18-56.70 W  
ERP: 6.00 kW  
Channel: 280A (103.9 MHz)  
AMSL Height: 111.0 m  
Pattern: Omni

Asher Broadcast Consulting LLC  
justinasher@consultant.com  
1 (202) 875-2986



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# ***Berlin, MD - WOCQ(FM) (Digital Notification)***

## ***Compliance with Radiofrequency Radiation Guidelines***

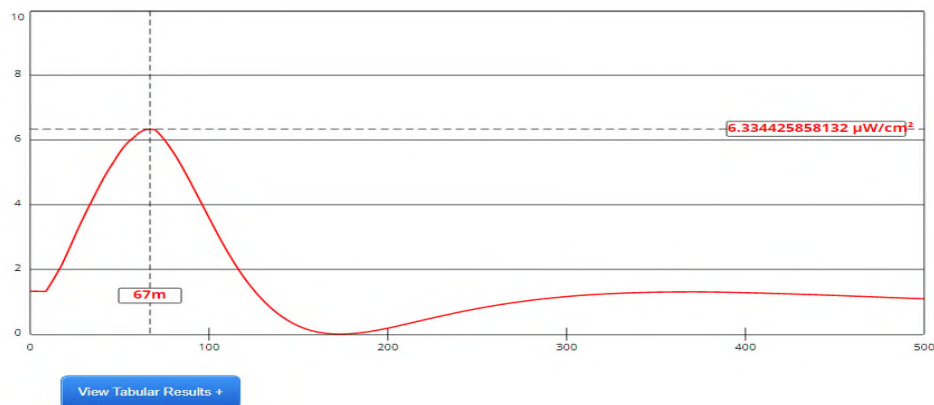
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The proposed facility complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments as set forth under §1.1307(b)(3) of the Commission's rules and the RF radiation protection guidelines as set forth in OET Bulletin No. 65 (Edition 97-01), and the accompanying Supplement A, (Edition 97-01). The site is intended to house multiple transmitters, therefore the potential for human exposure to non-ionizing radiofrequency radiation has been evaluated with regard to the §1.1307(b)(3) "five percent (5%) contribution rule" utilizing the Commission's own FM Model web-based software application. The use and implementation of this FCC sanctioned software is a matter of record before the Commission.

With regard to the "five percent (5%) contribution rule", §1.1307(b)(3), five percent (5%) of the maximum permissible 200  $\mu\text{W}/\text{cm}^2$  uncontrolled limit yields a threshold value of 10  $\mu\text{W}/\text{cm}^2$ . Five percent (5%) of the maximum permissible 1000  $\mu\text{W}/\text{cm}^2$  controlled limit yields a threshold value of 50  $\mu\text{W}/\text{cm}^2$ . Therefore, single contributions of  $\leq 10 \mu\text{W}/\text{cm}^2$  remain within the tolerances as allowed by §1.1307(b)(3) and its governing OET Bulletin No. 65 (Edition 97-01) for the more restrictive of these two protections.

The WOCQ(FM) - Berlin, MD analog FM Station (Facility ID: 47107), operates on CH280A (103.9 MHz) with 6.0 kW ERP circular polarization (H&V). This facility operates with an antenna COR mounted 102 meters above ground level (AGL). The facility employs a two bay, ERI (Harris) Model FML-2E antenna employing EPA Type 3 "Opposed U Dipole" elements as defined by the Commission's own FM Model - Appendix B (issued March 31, 2016). The antenna elements are spaced 1.0 wavelength ( $\lambda$ ) apart. WOCQ(FM) operates with HD/IBOC facilities of -10 dBc power (0.600 kW ERP) circular polarization (H&V) (or  $\text{Log}[0.10] * 10 = -10$  dBc) from the main antenna mounted 102 meters AGL. Therefore, a combined power of 6.6 kW (H&V) has been assumed for this contribution.

The results of the evaluation for the FM station have been shown at the end of this RF compliance discussion. To ensure complete protection, the maximum FM contribution has been assumed without regard to any restricted access fencing distance. In addition, the facility is, or will be, properly marked with signs. Entry is, or will be, restricted by means of fencing with locked doors or gates. Furthermore, coordination with other users of the site will be secured to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.



Channel Selection	Channel 280 (103.9 MHz) v		
Antenna Type +	EPA Type 3: Opposed U Dipole v		
Height (m)	102	Distance (m)	500
ERP-H (W)	6600	ERP-V (W)	6600
Num of Elements	2	Element Spacing ( $\lambda$ )	1
Num of Points	500	Apply	