

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0029 (January 2008)	FOR FCC USE ONLY
FCC 340		
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION		FOR COMMISSION USE ONLY FILE NO. - 20081022ACD
Read INSTRUCTIONS Before Filling Out Form		

Section I - General Information

1.	Legal Name of the Licensee/Permittee SHENANDOAH VALLEY EDUCATIONAL TELEVISION CORPORATION
	Mailing Address 298 PORT REPUBLIC ROAD
	City HARRISONBURG
	State or Country (if foreign address) VA
	Zip Code 22801 - 3052
	Telephone Number (include area code) 5404345391
	E-Mail Address (if available) TMANCARI@WVPT.NET
	FCC Registration Number: 0002064392
	Call Sign WVPY-DT
	Facility Identifier 66378
2.	Contact Representative (if other than licensee/Permittee) EVE R. POGORILER
	Firm or Company Name COVINGTON & BURLING LLP
	Mailing Address 1201 PENNSYLVANIA AVE., N.W.
	City WASHINGTON
	State or Country (if foreign address) DC
	ZIP Code 20004 - 2401
	Telephone Number (include area code) 2026625345
	E-Mail Address (if available) EPOGORILER@COV.COM
3.	Is this application being filed in response to a window? If Yes, specify closing date and/or window number:
	<input type="radio"/> Yes <input checked="" type="radio"/> No
4	<p>Application Purpose</p> <p> <input type="radio"/> New station <input type="radio"/> Major Change in licensed facility <input checked="" type="radio"/> Minor Change in licensed facility </p> <p> <input type="radio"/> Major Modification of construction permit <input type="radio"/> Minor Modification of construction permit <input type="radio"/> Major Amendment to pending application <input type="radio"/> Minor Amendment to pending application </p> <p>(a) File number of original construction permit: -</p> <p>(b) Service Type: <input type="radio"/> FM <input type="radio"/> TV <input checked="" type="radio"/> DTV</p> <p>(c) DTV Type: <input type="radio"/> Pre-Transition <input checked="" type="radio"/> Post-Transition <input type="radio"/> Both</p> <p>(d) Community of License: City: FRONT ROYAL State: VA</p> <p>(e) Facility Type <input checked="" type="radio"/> Main <input type="radio"/> Auxiliary</p>

If an amendment, **submit as an Exhibit** a listing by Section and Question Number the portions of the pending application that are being revised. [Exhibit 1]

NOTE: The failure to include an explanatory providing full particulars in connection with a "No" response may result in dismissal of the application. See Instructions, paragraph L for additional information regarding completion of explanatory exhibits.

SECTION II - Legal and Financial

1.	<p>Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No
2.	<p>Eligibility. Each application must answer "Yes" to one and "No" to two of the three following certifications. An applicant should not submit an explanatory exhibit in connection with these Question 2 "No" responses.</p> <p>The applicant certifies that it is:</p> <p>a. a nonprofit educational institution; or</p> <p>b. a governmental entity other than a school; or</p> <p>c. a nonprofit educational organization, other than described in a. or b.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
3.	<p>For applicants checking "Yes" to question 2(c) and applying for a new noncommercial educational television station only, the applicant certifies that the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural, and civic segments of the principal community to be served.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>
4.	<p>a. The applicant certifies that the Commission has previously granted a broadcast application identified here by file number that found this applicant qualified as a noncommercial educational entity with a qualifying educational program, and that the applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.</p> <p>b. Applicants who answered "No" to Question 4(a), must include an exhibit that describes the applicant's educational objective and how the proposed station will be used to advance an educational program that will further that objective according to 47 C.F.R. Section 73.503 (for radio applicants) and 47 C.F.R. Section 73.621 (for television applicants).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>FCC FileNumber -</p> <p>[Exhibit 2]</p>
5.	<p>The applicant certifies that its governing documents (e.g., articles of incorporation, by-laws, charter, enabling statute, and/or other pertinent organizational document) permit the applicant to advance an educational program and that there is no provision in any of those documents that would restrict the applicant from advancing an educational program or complying with any Commission rule, policy, or provision of the Communications Act of 1934, as amended.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
6.	<p>a. Parties to the Application. List separately each party to the application including, as applicable, the applicant, its officers, directors, five percent or greater stockholders, non-insulated partners, members, and all other persons and entities with attributable interests. If another entity hold an attributable interest in the applicant, list separately, as applicable, its officers, directors, five percent or greater stockholders, non-insulated partners, and board members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>[Enter Parties/Owners Information]</p> <p>_____</p> <p>_____</p>	

	b. Applicant certifies that equity and financial interests not set forth above are non-attributable pursuant to 47 C.F.R. Section 73.3555 and that there are no agreements or understandings with any non-party that would give influence over the applicant's programming, personnel, or finances to that non-party.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 3]
7.	Other Authorizations. List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest pursuant to the notes to 47 C.F.R. Section 73.3555.	<input type="checkbox"/> N/A [Exhibit 4]
8.	Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 5]
9.	Adverse Findings. Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination. If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6]
10.	Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7]
11.	Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input type="radio"/> Yes <input type="radio"/> No
12.	Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	<input type="radio"/> Yes <input type="radio"/> No
13.	Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No
14.	Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.		
15.	Financial. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue. If "No" to 15., answer question 16. and 17.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]
16.	Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?	<input type="radio"/> Yes <input type="radio"/> No
17.	Is this application contingent upon receipt of a grant from a charitable organization, the approval of	<input type="radio"/> Yes <input type="radio"/> No

the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision?

NOTE: If Yes to 16. **or** 17., the application cannot be granted unconditionally until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on the applicant's part is required. If the applicant relies on funds from a source specified in Question 17., **the applicant must advise the Commission when the funds are committed or appropriated.** This should be accomplished by letter amendment to the application. Applicants should take note that the Commission's construction period is not considered "tolled" by funding difficulties and that any permit granted conditionally on funding will expire if the station is not constructed for any reason, including lack of funding.

QUESTIONS 18 AND 19 DO NOT APPLY TO APPLICATIONS FOR NEW STATIONS. APPLICANTS FOR NEW FM STATIONS CAN PROCEED TO SECTION III. APPLICANTS FOR NEW TV STATIONS CAN PROCEED TO SECTION IV.

Holding Period.

18. Applicant certifies that this application does not propose a modification to an authorization that was awarded on the basis of a preference for fair distribution of service pursuant to 47 U.S.C. Section 307(b). Yes No

If "No," answer a. and b. below. If applicant answers "No" to 18. above and cannot answer "Yes" to either a. or b. below, the application is unacceptable.

a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based. Yes No

b. Applicant certifies that although it proposes to downgrade service to the area on which the Section 307(b) preference was based, applicant has provided full service to that area for a period of four years of on-air operations. Yes No

19. Applicant certifies that this application does not propose a modification to an authorized station that received a credit for superior technical parameters under the point system selection method in 47 C.F.R. Section 73.7003. Yes No

If "No," applicant must be able to answer "Yes" to a. below or provide an exhibit that makes a compelling showing that the downgrade would be in the public interest.

a. Applicant certifies that the population and area within the proposed service contour (60 dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized. Yes No
[Exhibit 9]

Section III

Fair Distribution of Service Pursuant to 47 U.S.C. Section 307(b) (New and Major Changes to FM Radio Only) (Other applicants can proceed to Section IV).

1.	Applicant certifies that the proposed station will provide a first noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 10]
2.	Applicant certifies that the proposed station will provide a second noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 11]

Section IV Point System Factors - New and Major Change Applications Only (used to select among mutually exclusive radio and television applications for new stations and major modifications) **NOTE:** Applicants will not receive any additional points for amendments made after the close of the application filing window.

1.	Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R.	<input type="radio"/> Yes <input type="radio"/> No
----	--	--

<p>Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	
<p>2. Diversity of Ownership: (a) Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized station (comparing radio and television to television, including non-fill-in translator stations other than those identified in 2(b) below) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity be maintained, and that it has placed documentation of its diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>(b) Is the application's certification to 2(a) based on its exclusion of translator station(s) that will be replaced with a full service station pursuant to the authorization requested here?</p> <p>If Yes, applicant must include an exhibit identifying the translator station authorization for which it will request cancellation upon commencement of operation of the proposed full service station (i.e., upon its filing of a license application and receipt of program test authority).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 12]</p>
<p>3. State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b) (3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>4. Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new area and population that its proposal would serve with a 60 dBu (FM) or Grade B (TV) signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) (FM) and 73.683(TV) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude any area already within the station's existing service area). (Points, if any, will be determined by FCC)</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>New area served in square kilometers (excluding areas of water):</p>	
<p>Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:</p>	
<p>SECTION V - Tie Breakers - New and Major Change Applications Only (used to choose among competing radio and television applications receiving the same number of points in Section IV)</p>	
<p>1. Existing Authorizations. By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of relevant broadcast station authorizations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV (2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of commercial and non-commercial licenses and construction permits)</p>	
<p>2. Pending Applications. By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of pending applications for new or major changes to relevant broadcast stations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV(2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial, and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of pending commercial and non-commercial applications)</p>	

Section VI -- Certification

<p>I 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. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)</p>	
<p>Typed or Printed Name of Person Signing</p>	<p>Typed or Printed Title of Person Signing</p>

TONY MANCARI	CHIEF OPERATING OFFICER
Signature	Date 10/22/2008

Section VII Preparer's Certification

I certify that I have prepared Section VII (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name DOUG VERNIER	Relationship to Applicant (e.g., Consulting Engineer) ENGINEERING CONSULTANT	
Signature	Date 10/15/2008	
Mailing Address TELECOMMUNICATIONS CONSULTANTS 721 WEST 1ST STREET, SUITE A		
City CEDAR FALLS	State or Country (if foreign address) IA	Zip Code 50613-
Telephone Number (include area code) 3192668402	E-Mail Address (if available) DVERNIER@V-SOFT.COM	

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).

SECTION VII - DTV Engineering

Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:
- (a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. Yes No
 - (b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. Yes No
 - (c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. Yes No
 - (d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Yes No
 N/A

	Table Appendix B"). (e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
2.	The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3.	Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4.	The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5.	The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION VII - DTV Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX	
1.	Channel Number: DTV 21 Analog TV, if any 42
2.	Zone: <input checked="" type="radio"/> I <input type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 38 Minutes 57 Seconds 36 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 78 Minutes 19 Seconds 52 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 642 meters
6.	Overall Tower Height Above Ground Level: 31 meters
7.	Height of Radiation Center Above Ground Level: 26 meters
8.	Height of Radiation Center Above Average Terrain (HAAT): 400 meters
9.	Maximum Effective Radiated Power (average power): 100 kW
10.	Antenna Specifications: a. Manufacturer RFF Model PHP24C

b. Electrical Beam Tilt:
0.75 degrees Not Applicable

c. Mechanical Beam Tilt:
degrees toward azimuth
degrees True Not Applicable

Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 33]

d. Polarization:
 Horizontal Circular Elliptical

e. Directional Antenna Relative Field Values: Not applicable (Nondirectional)

[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.]
[Relative Field Values]

10e. Directional Antenna Relative Field Values

[Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]

e. Directional Antenna Relative Field Values:

Rotation (Degrees): No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	1	10	1	20	1	30	1	40	1	50	0.99
60	0.94	70	0.908	80	0.834	90	0.72	100	0.578	110	0.421
120	0.268	130	0.156	140	0.162	150	0.169	160	0.161	170	0.153
180	0.268	190	0.421	200	0.578	210	0.72	220	0.834	230	0.908
240	0.933	250	0.96	260	1	270	1	280	1	290	1
300	1	310	1	320	1	330	1	340	1	350	1

Additional Azimuths

[Relative Field Polar Plot](#)

If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. **Exhibit required.** [Exhibit 34]

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? Yes No [Exhibit 35]
If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefor. (Applicable only if **Certification Checklist** item 3 is answered "No.") [Exhibit 36]

13. **Environmental Protection Act. Submit in an Exhibit** the following: [Exhibit 37]
a. If **Certification Checklist** Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist** Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist** Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.

PREPARERS CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.

Exhibits

Exhibit 1

Description: PROPOSED CHANGES

THIS PROPOSAL IS TO INCREASE THE ERP OF WVPY (DT) FROM 50 KW TO 100 KW. NO OTHER CHANGES ARE PROPOSED.

Attachment 1

Exhibit 34

Description: DIRECTIONAL ANTENNA

NO CHANGE IS PROPOSED TO THE EXISTING LICENSED ANTENNA MAKE, MODEL AND PATTERN.

Attachment 34

Exhibit 35

Description: OET 69 INTERFERENCE ANALYSIS

PLEASE SEE THE ATTACHED OET 69 RUN FOR THE ERP OF 100 KW. THE PROGRAM WHICH WAS USED TO RUN THIS ANALYSIS WAS WRITTEN BY BILL MEINTEL. IT IS THE SAME PROGRAM USED BY THE FCC FOR DTV ANALYSIS. THE PROGRAM WAS RUN ON A SUN SPARC WORK STATION TO GENERATE THE EXACT SAME RESULTS AS THE COMMISSION'S PROGRAM.

Attachment 35

Description
OET-69 Interference analysis
OET-69 - Full Study

Exhibit 36

Description: COMMUNITY SERVICE

THE ATTACHED MAP SHOWS COVERAGE TO FRONT ROYAL THE COMMUNITY OF LICENSE. THE MAP CONTRASTS THE EXISTING 50 KW WITH THE 100 KW COVERAGE PER THIS PROPOSAL.

Attachment 36

Description
Community Service Map

Exhibit 37

Description: ENVIRONMENTAL EXHIBIT

NO CHANGE IS PROPOSED TO THE ANTENNA OR ITS SUPPORTING STRUCTURE. PLEASE SEE THE ATTACHED EXHIBIT.

Attachment 37

Description
R.F. Emissions Study

Summary Study

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000
Post Transition Data Base Selected ./data_files/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-13-2008 Time: 15:30:34

Record Selected for Analysis

WVPY-D USERRECORD-01 FRONT ROYAL VA US
Channel 21 ERP 100. kW HAAT 402. m RCAMSL 00669 m
Latitude 038-57-36 Longitude 0078-19-52
Status APP Zone 1 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	100.000	468.0	91.1
45.0	99.002	474.1	91.5
90.0	51.840	498.5	88.3
135.0	2.528	404.9	63.7
180.0	7.182	344.7	66.4
225.0	75.864	237.2	71.9
270.0	100.000	406.0	87.7
315.0	100.000	386.3	86.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WVPY-D 21 FRONT ROYAL VA USERRECORD01

and station

SHORT TO: WHP-TV 21 HARRISBURG PA BLCT 2171
040-20-43 0076-52- 9
Req. separation 217.3 Actual separation 198.5 Short 18.8 km

SHORT TO: WVPY 21 FRONT ROYAL VA DTVPLN DTVP0787
38 -57-36 78 -19-52
Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WWCW 21 LYNCHBURG VA BLCT 19930513KE
037-19-14 0079-37-59
Req. separation 217.3 Actual separation 214.8 Short 2.5 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
21	WVPY-D	FRONT ROYAL VA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
20	WWCW	LYNCHBURG VA	214.8	CP MOD	BMPCDT	-
20	WWCW	LYNCHBURG VA	214.8	PLN	DTVPLN	-
21	WBOC-TV	SALISBURY MD	238.4	APP	BPCDT	-
21	WBOC-TV	SALISBURY MD	238.4	PLN	DTVPLN	-
21	WBOC-TV	SALISBURY MD	238.4	LIC	BLCDT	-

21	WBNS-TV	COLUMBUS OH	418.3	LIC	BLCDDT	-
20021025ABK						
21	WBNS-TV	COLUMBUS OH	418.3	PLN	DTVPLN	-
DTVP0776						
21	WBNS-TV	COLUMBUS OH	418.3	APP	BPCDDT	-
20080620ANA						
21	WHP-TV	HARRISBURG PA	198.4	PLN	DTVPLN	-
DTVP0778						
21	WHP-TV	HARRISBURG PA	198.4	CP MOD	BMPCDDT	-
20080606AEJ						
22	WRIC-TV	PETERSBURG VA	173.0	LIC	BLCDDT	-
20021112ACD						
22	WRIC-TV	PETERSBURG VA	173.0	PLN	DTVPLN	-
DTVP0828						
22	WRIC-TV	PETERSBURG VA	173.0	CP	BPCDDT	-
20080618ADU						
24	WAZH-CA	HARRISONBURG VA	42.5	LIC	BLTTL	-
19960823JC						
25	WZDC-CA	WASHINGTON DC	108.0	LIC	BLTTL	-
20070309ADR						
25	WAZM-CA	STAUNTON-WAYNESBORO VA	73.7	LIC	BLTTL	-
20011107ABW						
28	WAZF-CA	WINCHESTER/FRONT ROY VA	29.3	LIC	BLTTL	-
19940422IK						

%%%

Study of this proposal found the following interference problem(s):

NONE.

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000
Post Transition Data Base Selected ./data_files/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-13-2008 Time: 15:30:34

Record Selected for Analysis

WVPY-D USERRECORD-01 FRONT ROYAL VA US
Channel 21 ERP 100. kW HAAT 402. m RCAMSL 00669 m
Latitude 038-57-36 Longitude 0078-19-52
Status APP Zone 1 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	100.000	468.0	91.1
45.0	99.002	474.1	91.5
90.0	51.840	498.5	88.3
135.0	2.528	404.9	63.7
180.0	7.182	344.7	66.4
225.0	75.864	237.2	71.9
270.0	100.000	406.0	87.7
315.0	100.000	386.3	86.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WVPY-D 21 FRONT ROYAL VA USERRECORD01

and station

SHORT TO: WHP-TV 21 HARRISBURG PA BLCT 2171
040-20-43 0076-52- 9
Req. separation 217.3 Actual separation 198.5 Short 18.8 km

SHORT TO: WVPY 21 FRONT ROYAL VA DTVPLN DTVP0787
38 -57-36 78 -19-52
Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WWCW 21 LYNCHBURG VA BLCT 19930513KE
037-19-14 0079-37-59
Req. separation 217.3 Actual separation 214.8 Short 2.5 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

	Proposed Station		
Channel	Call	City/State	ARN
21	WVPY-D	FRONT ROYAL VA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
20	WWCW	LYNCHBURG VA	214.8	CP MOD	BMPCDT	-
20080619AJT						
20	WWCW	LYNCHBURG VA	214.8	PLN	DTVPLN	-
DTVP0745						
21	WBOC-TV	SALISBURY MD	238.4	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	238.4	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	238.4	LIC	BLCDT	-
20060703ABR						
21	WBNS-TV	COLUMBUS OH	418.3	LIC	BLCDT	-
20021025ABK						

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
20	WWCW	LYNCHBURG VA	DTVPLN -DTVP0745

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	WCWG	LEXINGTON NC	162.4	LIC	BLCDT -
20070418ACV					
19	WCWG	LEXINGTON NC	162.4	PLN	DTVPLN -
DTVP0690					
19	WCAV	CHARLOTTESVILLE VA	125.3	CP	BPCDT -
20080403ACY					
19	WCAV	CHARLOTTESVILLE VA	125.3	PLN	DTVPLN -
DTVP0705					
19	WCAV	CHARLOTTESVILLE VA	125.3	APP	BMPCDT -
20080616AAY					
20	WUND-TV	EDENTON NC	333.0	LIC	BLEDT -
20070307ABK					
20	WUND-TV	EDENTON NC	333.0	PLN	DTVPLN -
DTVP0732					
20	WFMJ-TV	YOUNGSTOWN OH	426.8	CP	BPCDT -
19991027AAV					
20	WFMJ-TV	YOUNGSTOWN OH	426.8	PLN	DTVPLN -
DTVP0738					
21	WVPY	FRONT ROYAL VA	214.8	PLN	DTVPLN -
DTVP0787					
21	WVPY-D	FRONT ROYAL VA	214.8	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WBOC-TV	SALISBURY MD	BPCDT -20080620AFP

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
21	WLIW	GARDEN CITY NY	315.6	APP	BMPEDT -
20080620AID					
21	WLIW	GARDEN CITY NY	315.6	PLN	DTVPLN -
DTVP0774					
21	WLIW	GARDEN CITY NY	315.6	CP	BPEDT -
20080317AAQ					
21	WHP-TV	HARRISBURG PA	230.0	PLN	DTVPLN -
DTVP0778					
21	WHP-TV	HARRISBURG PA	230.0	CP MOD	BMPCDT -

20080606AEJ	21	WVPY	FRONT ROYAL VA	238.4	PLN	DTVPLN	-
DTVP0787	22	WNJS	CAMDEN NJ	152.5	LIC	BLEDT	-
20070611AAY	22	WNJS	CAMDEN NJ	152.5	PLN	DTVPLN	-
DTVP0816	22	WNJS	CAMDEN NJ	152.5	APP	BPEDT	-
20080620ALH	22	WRIC-TV	PETERSBURG VA	203.9	LIC	BLCDDT	-
20021112ACD	22	WRIC-TV	PETERSBURG VA	203.9	PLN	DTVPLN	-
DTVP0828	22	WRIC-TV	PETERSBURG VA	203.9	CP	BPCDDT	-
20080618ADU	21	WVPY-D	FRONT ROYAL VA	238.4	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	DTVPLN	-DTVP0767

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.	
21	WLIW	GARDEN CITY NY	315.6	APP	BPEDT	-	
20080620AID	21	WLIW	GARDEN CITY NY	315.6	PLN	DTVPLN	-
DTVP0774	21	WLIW	GARDEN CITY NY	315.6	CP	BPEDT	-
20080317AAQ	21	WHP-TV	HARRISBURG PA	230.0	PLN	DTVPLN	-
DTVP0778	21	WHP-TV	HARRISBURG PA	230.0	CP MOD	BMPCDDT	-
20080606AEJ	21	WVPY	FRONT ROYAL VA	238.4	PLN	DTVPLN	-
DTVP0787	22	WNJS	CAMDEN NJ	152.5	LIC	BLEDT	-
20070611AAY	22	WNJS	CAMDEN NJ	152.5	PLN	DTVPLN	-
DTVP0816	22	WNJS	CAMDEN NJ	152.5	APP	BPEDT	-
20080620ALH	22	WRIC-TV	PETERSBURG VA	203.9	LIC	BLCDDT	-
20021112ACD	22	WRIC-TV	PETERSBURG VA	203.9	PLN	DTVPLN	-
DTVP0828	22	WRIC-TV	PETERSBURG VA	203.9	CP	BPCDDT	-
20080618ADU	21	WVPY-D	FRONT ROYAL VA	238.4	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	BLCDT	-20060703ABR

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WLIW	GARDEN CITY NY	315.6	APP	BMPEdT	-
20080620AID						
21	WLIW	GARDEN CITY NY	315.6	PLN	DTVPLN	-
DTVP0774						
21	WLIW	GARDEN CITY NY	315.6	CP	BPEDT	-
20080317AAQ						
21	WHP-TV	HARRISBURG PA	230.0	PLN	DTVPLN	-
DTVP0778						
21	WHP-TV	HARRISBURG PA	230.0	CP MOD	BMPCDT	-
20080606AEJ						
21	WVPY	FRONT ROYAL VA	238.4	PLN	DTVPLN	-
DTVP0787						
22	WNJS	CAMDEN NJ	152.5	LIC	BLEDT	-
20070611AAY						
22	WNJS	CAMDEN NJ	152.5	PLN	DTVPLN	-
DTVP0816						
22	WNJS	CAMDEN NJ	152.5	APP	BPEDT	-
20080620ALH						
22	WRIC-TV	PETERSBURG VA	203.9	LIC	BLCDT	-
20021112ACD						
22	WRIC-TV	PETERSBURG VA	203.9	PLN	DTVPLN	-
DTVP0828						
22	WRIC-TV	PETERSBURG VA	203.9	CP	BPCDT	-
20080618ADU						
21	WVPY-D	FRONT ROYAL VA	238.4	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WBNS-TV	COLUMBUS OH	BLCDT	-20021025ABK

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WFYI	INDIANAPOLIS IN	270.5	LIC	BLEDT	-
20030310BAD						
21	WFYI	INDIANAPOLIS IN	270.5	PLN	DTVPLN	-
DTVP0762						
21	WUPX-TV	MOREHEAD KY	235.3	LIC	BLCDT	-
20040901ACJ						

21	WUPX-TV	MOREHEAD KY	235.3	PLN	DTVPLN	-
DTVP0764						
21	WMYD	DETROIT MI	275.6	LIC	BLCDT	-
20040524AOG						
21	WMYD	DETROIT MI	275.6	PLN	DTVPLN	-
DTVP0768						
21	WVPY	FRONT ROYAL VA	418.3	PLN	DTVPLN	-
DTVP0787						
21	WVPY-D	FRONT ROYAL VA	418.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WBNS-TV	COLUMBUS OH	DTVPLN -DTVP0776

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
21	WFYI	INDIANAPOLIS IN	270.5	LIC	BLEDT -
20030310BAD					
21	WFYI	INDIANAPOLIS IN	270.5	PLN	DTVPLN -
DTVP0762					
21	WUPX-TV	MOREHEAD KY	235.3	LIC	BLCDT -
20040901ACJ					
21	WUPX-TV	MOREHEAD KY	235.3	PLN	DTVPLN -
DTVP0764					
21	WMYD	DETROIT MI	275.6	LIC	BLCDT -
20040524AOG					
21	WMYD	DETROIT MI	275.6	PLN	DTVPLN -
DTVP0768					
21	WVPY	FRONT ROYAL VA	418.3	PLN	DTVPLN -
DTVP0787					
21	WVPY-D	FRONT ROYAL VA	418.3	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WBNS-TV	COLUMBUS OH	BPCDT -20080620ANA

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
----------	------	------------	----------	--------	------------------

21	WFYI	INDIANAPOLIS IN	270.5	LIC	BLEDT	-
20030310BAD						
21	WFYI	INDIANAPOLIS IN	270.5	PLN	DTVPLN	-
DTVP0762						
21	WUPX-TV	MOREHEAD KY	235.3	LIC	BLCDT	-
20040901ACJ						
21	WUPX-TV	MOREHEAD KY	235.3	PLN	DTVPLN	-
DTVP0764						
21	WMYD	DETROIT MI	275.6	LIC	BLCDT	-
20040524AOG						
21	WMYD	DETROIT MI	275.6	PLN	DTVPLN	-
DTVP0768						
21	WVPY	FRONT ROYAL VA	418.3	PLN	DTVPLN	-
DTVP0787						
21	WVPY-D	FRONT ROYAL VA	418.3	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WHP-TV	HARRISBURG PA	DTVPLN	-DTVP0778

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WBOC-TV	SALISBURY MD	230.0	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	230.0	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	230.0	LIC	BLCDT	-
20060703ABR						
21	WLIW	GARDEN CITY NY	292.6	APP	BMPEDT	-
20080620AID						
21	WLIW	GARDEN CITY NY	292.6	PLN	DTVPLN	-
DTVP0774						
21	WLIW	GARDEN CITY NY	292.6	CP	BPEDT	-
20080317AAQ						
21	WWTI	WATERTOWN NY	404.1	LIC	BLCDT	-
20040128AFQ						
21	WWTI	WATERTOWN NY	404.1	PLN	DTVPLN	-
DTVP0775						
21	WVPY	FRONT ROYAL VA	198.4	PLN	DTVPLN	-
DTVP0787						
22	WNJS	CAMDEN NJ	185.5	LIC	BLEDT	-
20070611AAY						
22	WNJS	CAMDEN NJ	185.5	PLN	DTVPLN	-
DTVP0816						
22	WNJS	CAMDEN NJ	185.5	APP	BPEDT	-
20080620ALH						
21	WVPY-D	FRONT ROYAL VA	198.4	APP	USERRECORD-01	

Total scenarios = 9

Result key: 1
 Scenario 1 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113489	1264.9
lost to ATV IX only	113489	1264.9
lost to all IX	113489	1264.9

Potential Interfering Stations Included in above Scenario 1

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	124739	1381.3
lost to ATV IX only	124739	1381.3
lost to all IX	124739	1381.3

Potential Interfering Stations Included in above Scenario 1

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4773%

Result key: 2
 Scenario 2 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113489	1264.9
lost to ATV IX only	113489	1264.9
lost to all IX	113489	1264.9

Potential Interfering Stations Included in above Scenario 2

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	124739	1381.3
lost to ATV IX only	124739	1381.3
lost to all IX	124739	1381.3

Potential Interfering Stations Included in above Scenario 2

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4773%

Result key: 3
Scenario 3 Affected station 9
Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113489	1264.9
lost to ATV IX only	113489	1264.9
lost to all IX	113489	1264.9

Potential Interfering Stations Included in above Scenario 3

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	124739	1381.3
lost to ATV IX only	124739	1381.3
lost to all IX	124739	1381.3

Potential Interfering Stations Included in above Scenario 3

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4773%

Result key: 4
 Scenario 4 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113489	1264.9
lost to ATV IX only	113489	1264.9
lost to all IX	113489	1264.9

Potential Interfering Stations Included in above Scenario 4

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	124739	1381.3
lost to ATV IX only	124739	1381.3
lost to all IX	124739	1381.3

Potential Interfering Stations Included in above Scenario 4

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4773%

Result key: 5
 Scenario 5 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123030	1361.3
lost to ATV IX only	123030	1361.3
lost to all IX	123030	1361.3

Potential Interfering Stations Included in above Scenario 5

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BPEDT	20080620AID	APP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133990	1473.7
lost to ATV IX only	133990	1473.7
lost to all IX	133990	1473.7

Potential Interfering Stations Included in above Scenario 5

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4669%

Result key: 6
 Scenario 6 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	121278	1333.2
lost to ATV IX only	121278	1333.2
lost to all IX	121278	1333.2

Potential Interfering Stations Included in above Scenario 6

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	132528	1449.6
lost to ATV IX only	132528	1449.6
lost to all IX	132528	1449.6

Potential Interfering Stations Included in above Scenario 6

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4789%

Result key: 7
 Scenario 7 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	121278	1333.2
lost to ATV IX only	121278	1333.2
lost to all IX	121278	1333.2

Potential Interfering Stations Included in above Scenario 7

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	132528	1449.6
lost to ATV IX only	132528	1449.6
lost to all IX	132528	1449.6

Potential Interfering Stations Included in above Scenario 7

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4789%

Result key: 8
 Scenario 8 Affected station 9
 Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
 HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	115241	1293.0
lost to ATV IX only	115241	1293.0
lost to all IX	115241	1293.0

Potential Interfering Stations Included in above Scenario 8

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	126201	1405.4
lost to ATV IX only	126201	1405.4
lost to all IX	126201	1405.4

Potential Interfering Stations Included in above Scenario 8

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4653%

Result key: 9
Scenario 9 Affected station 9
Before Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	115241	1293.0
lost to ATV IX only	115241	1293.0
lost to all IX	115241	1293.0

Potential Interfering Stations Included in above Scenario 9

21A MD SALISBURY	BLCDDT	20060703ABR	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG DTVPLN DTVP0778 PLN
HAAT 372.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2666116	26896.0
not affected by terrain losses	2470554	24113.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	126201	1405.4
lost to ATV IX only	126201	1405.4
lost to all IX	126201	1405.4

Potential Interfering Stations Included in above Scenario 9

21A MD SALISBURY	BLCDDT	20060703ABR	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.4653%

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WHP-TV	HARRISBURG PA	BMPCDT	-20080606AEJ

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WBOC-TV	SALISBURY MD	230.0	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	230.0	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	230.0	LIC	BLCDT	-
20060703ABR						
21	WLIW	GARDEN CITY NY	292.6	APP	BMPEDT	-
20080620AID						
21	WLIW	GARDEN CITY NY	292.6	PLN	DTVPLN	-
DTVP0774						
21	WLIW	GARDEN CITY NY	292.6	CP	BPEDT	-
20080317AAQ						
21	WWTI	WATERTOWN NY	404.1	LIC	BLCDT	-
20040128AFQ						
21	WWTI	WATERTOWN NY	404.1	PLN	DTVPLN	-
DTVP0775						
21	WVPY	FRONT ROYAL VA	198.4	PLN	DTVPLN	-
DTVP0787						
22	WNJS	CAMDEN NJ	185.5	LIC	BLEDT	-
20070611AAY						
22	WNJS	CAMDEN NJ	185.5	PLN	DTVPLN	-
DTVP0816						
22	WNJS	CAMDEN NJ	185.5	APP	BPEDT	-
20080620ALH						
21	WVPY-D	FRONT ROYAL VA	198.4	APP	USERRECORD-01	

Total scenarios = 9

Result key: 10
 Scenario 1 Affected station 10
 Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123599	1256.6
lost to ATV IX only	123599	1256.6
lost to all IX	123599	1256.6

Potential Interfering Stations Included in above Scenario 1

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	129201	1397.1
lost to ATV IX only	129201	1397.1
lost to all IX	129201	1397.1

Potential Interfering Stations Included in above Scenario 1

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	DTVPLN	DTVP0774	PLN
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.2471%

Result key: 11
 Scenario 2 Affected station 10
 Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123599	1256.6
lost to ATV IX only	123599	1256.6
lost to all IX	123599	1256.6

Potential Interfering Stations Included in above Scenario 2

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	129201	1397.1
lost to ATV IX only	129201	1397.1
lost to all IX	129201	1397.1

Potential Interfering Stations Included in above Scenario 2

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
------------------	--------	----------	-----

21A NY GARDEN CITY BPEDT 20080317AAQ CP
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2471%

Result key: 12
Scenario 3 Affected station 10
Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123599	1256.6
lost to ATV IX only	123599	1256.6
lost to all IX	123599	1256.6

Potential Interfering Stations Included in above Scenario 3

21A MD SALISBURY BLCDDT 20060703ABR LIC
21A NY GARDEN CITY DTVPLN DTVP0774 PLN
21A VA FRONT ROYAL DTVPLN DTVP0787 PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	129201	1397.1
lost to ATV IX only	129201	1397.1
lost to all IX	129201	1397.1

Potential Interfering Stations Included in above Scenario 3

21A MD SALISBURY BLCDDT 20060703ABR LIC
21A NY GARDEN CITY DTVPLN DTVP0774 PLN
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2471%

Result key: 13
Scenario 4 Affected station 10
Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123599	1256.6
lost to ATV IX only	123599	1256.6
lost to all IX	123599	1256.6

Potential Interfering Stations Included in above Scenario 4

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	129201	1397.1
lost to ATV IX only	129201	1397.1
lost to all IX	129201	1397.1

Potential Interfering Stations Included in above Scenario 4

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.2471%

Result key: 14
 Scenario 5 Affected station 10
 Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	130762	1357.0
lost to ATV IX only	130762	1357.0
lost to all IX	130762	1357.0

Potential Interfering Stations Included in above Scenario 5

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	136157	1489.4
lost to ATV IX only	136157	1489.4
lost to all IX	136157	1489.4

Potential Interfering Stations Included in above Scenario 5

21A MD SALISBURY	BPCDT	20080620AFP	APP
------------------	-------	-------------	-----

21A NY GARDEN CITY BMPEDT 20080620AID APP
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2387%

Result key: 15
Scenario 6 Affected station 10
Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	127957	1340.9
lost to ATV IX only	127957	1340.9
lost to all IX	127957	1340.9

Potential Interfering Stations Included in above Scenario 6

21A MD SALISBURY BPCDT 20080620AFP APP
21A NY GARDEN CITY DTVPLN DTVP0774 PLN
21A VA FRONT ROYAL DTVPLN DTVP0787 PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133478	1477.4
lost to ATV IX only	133478	1477.4
lost to all IX	133478	1477.4

Potential Interfering Stations Included in above Scenario 6

21A MD SALISBURY BPCDT 20080620AFP APP
21A NY GARDEN CITY DTVPLN DTVP0774 PLN
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2440%

Result key: 16
Scenario 7 Affected station 10
Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	127957	1340.9
lost to ATV IX only	127957	1340.9
lost to all IX	127957	1340.9

Potential Interfering Stations Included in above Scenario 7

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133478	1477.4
lost to ATV IX only	133478	1477.4
lost to all IX	133478	1477.4

Potential Interfering Stations Included in above Scenario 7

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A NY GARDEN CITY	BPEDT	20080317AAQ	CP
21A VA FRONT ROYAL	USERRECORD01		APP

Percent new IX = 0.2440%

Result key: 17
 Scenario 8 Affected station 10
 Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	126404	1272.7
lost to ATV IX only	126404	1272.7
lost to all IX	126404	1272.7

Potential Interfering Stations Included in above Scenario 8

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
21A VA FRONT ROYAL	DTVPLN	DTVP0787	PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
 HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	131880	1409.2
lost to ATV IX only	131880	1409.2
lost to all IX	131880	1409.2

Potential Interfering Stations Included in above Scenario 8

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
------------------	--------	----------	-----

21A NY GARDEN CITY BMPEDT 20080620AID APP
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2419%

Result key: 18
Scenario 9 Affected station 10
Before Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	126404	1272.7
lost to ATV IX only	126404	1272.7
lost to all IX	126404	1272.7

Potential Interfering Stations Included in above Scenario 9

21A MD SALISBURY BLCDDT 20060703ABR LIC
21A NY GARDEN CITY BMPEDT 20080620AID APP
21A VA FRONT ROYAL DTVPLN DTVP0787 PLN

After Analysis

Results for: 21A PA HARRISBURG BMPCDT 20080606AEJ CP
HAAT 369.0 m, ATV ERP 450.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2554785	25212.2
not affected by terrain losses	2390544	22771.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	131880	1409.2
lost to ATV IX only	131880	1409.2
lost to all IX	131880	1409.2

Potential Interfering Stations Included in above Scenario 9

21A MD SALISBURY BLCDDT 20060703ABR LIC
21A NY GARDEN CITY BMPEDT 20080620AID APP
21A VA FRONT ROYAL USERRECORD01 APP

Percent new IX = 0.2419%

Worst case new IX 0.2471% Scenario 1

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WRIC-TV	PETERSBURG VA	BLCDDT	-20021112ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref.
------	------	------------	----------	--------	-------------	------

No.							
21	WBOC-TV	SALISBURY MD	203.9	APP	BPCDT	-	
20080620AFP							
21	WBOC-TV	SALISBURY MD	203.9	PLN	DTVPLN	-	
DTVP0767							
21	WBOC-TV	SALISBURY MD	203.9	LIC	BLCDT	-	
20060703ABR							
21	WVPY	FRONT ROYAL VA	173.0	PLN	DTVPLN	-	
DTVP0787							
22	WCNC-TV	CHARLOTTE NC	399.7	LIC	BLCDT	-	
20031211ABN							
22	WCNC-TV	CHARLOTTE NC	399.7	PLN	DTVPLN	-	
DTVP0813							
22	WCNC-TV	CHARLOTTE NC	399.7	APP	BPCDT	-	
20080617AEH							
22	WNJS	CAMDEN NJ	343.4	LIC	BLEDT	-	
20070611AAY							
22	WNJS	CAMDEN NJ	343.4	PLN	DTVPLN	-	
DTVP0816							
22	WNJS	CAMDEN NJ	343.4	APP	BPEDT	-	
20080620ALH							
23	WUNK-TV	GREENVILLE NC	217.8	APP	BPEDT	-	
20080617AAR							
23	WUNK-TV	GREENVILLE NC	217.8	PLN	DTVPLN	-	
DTVP0853							
23	WUNK-TV	GREENVILLE NC	217.8	LIC	BLEDT	-	
20021007ABG							
21	WVPY-D	FRONT ROYAL VA	173.0	APP	USERRECORD-01		
	Proposal causes no interference						

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WRIC-TV	PETERSBURG VA	DTVPLN -DTVP0828

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
21	WBOC-TV	SALISBURY MD	203.9	APP	BPCDT -
20080620AFP					
21	WBOC-TV	SALISBURY MD	203.9	PLN	DTVPLN -
DTVP0767					
21	WBOC-TV	SALISBURY MD	203.9	LIC	BLCDT -
20060703ABR					
21	WVPY	FRONT ROYAL VA	173.0	PLN	DTVPLN -
DTVP0787					
22	WCNC-TV	CHARLOTTE NC	399.7	LIC	BLCDT -
20031211ABN					
22	WCNC-TV	CHARLOTTE NC	399.7	PLN	DTVPLN -
DTVP0813					
22	WCNC-TV	CHARLOTTE NC	399.7	APP	BPCDT -
20080617AEH					
22	WNJS	CAMDEN NJ	343.4	LIC	BLEDT -
20070611AAY					

22	WNJS	CAMDEN NJ	343.4	PLN	DTVPLN	-
DTVP0816						
22	WNJS	CAMDEN NJ	343.4	APP	BPEDT	-
20080620ALH						
23	WUNK-TV	GREENVILLE NC	217.8	APP	BPEDT	-
20080617AAR						
23	WUNK-TV	GREENVILLE NC	217.8	PLN	DTVPLN	-
DTVP0853						
23	WUNK-TV	GREENVILLE NC	217.8	LIC	BLEDT	-
20021007ABG						
21	WVPY-D	FRONT ROYAL VA	173.0	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WRIC-TV	PETERSBURG VA	BPCDT	-20080618ADU

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WBOC-TV	SALISBURY MD	203.9	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	203.9	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	203.9	LIC	BLCDT	-
20060703ABR						
21	WVPY	FRONT ROYAL VA	173.0	PLN	DTVPLN	-
DTVP0787						
22	WCNC-TV	CHARLOTTE NC	399.7	LIC	BLCDT	-
20031211ABN						
22	WCNC-TV	CHARLOTTE NC	399.7	PLN	DTVPLN	-
DTVP0813						
22	WCNC-TV	CHARLOTTE NC	399.7	APP	BPCDT	-
20080617AEH						
22	WNJS	CAMDEN NJ	343.5	LIC	BLEDT	-
20070611AAY						
22	WNJS	CAMDEN NJ	343.5	PLN	DTVPLN	-
DTVP0816						
22	WNJS	CAMDEN NJ	343.5	APP	BPEDT	-
20080620ALH						
23	WUNK-TV	GREENVILLE NC	217.8	APP	BPEDT	-
20080617AAR						
23	WUNK-TV	GREENVILLE NC	217.8	PLN	DTVPLN	-
DTVP0853						
23	WUNK-TV	GREENVILLE NC	217.8	LIC	BLEDT	-
20021007ABG						
21	WVPY-D	FRONT ROYAL VA	173.0	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WAZH-CA	HARRISONBURG VA	BLTTL	-19960823JC

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WVPY	FRONT ROYAL VA	42.5	PLN	DTVPLN	-
DTVP0787						
24	WKPI-TV	PIKEVILLE KY	369.4	LIC	BLEDT	-
20020313ABL						
24	WKPI-TV	PIKEVILLE KY	369.4	PLN	DTVPLN	-
DTVP0885						
24	WUTB	BALTIMORE MD	182.7	LIC	BLCT	-
19860103KG						
24	WSFJ-TV	NEWARK OH	360.2	LIC	BLCDT	-
20060620ABC						
24	WSFJ-TV	NEWARK OH	360.2	PLN	DTVPLN	-
DTVP0897						
24	WATM-TV	ALTOONA PA	192.5	LIC	BLCDT	-
20050603ACF						
24	WATM-TV	ALTOONA PA	192.5	PLN	DTVPLN	-
DTVP0899						
24	WJET-TV	ERIE PA	369.4	CP MOD	BMPCDT	-
20080612ABV						
24	WJET-TV	ERIE PA	369.4	PLN	DTVPLN	-
DTVP0900						
24	WJET-TV	ERIE PA	369.3	LIC	BLCT	-
19850319KG						
24	WDRL-TV	DANVILLE VA	216.2	CP	BPCDT	-
20080317AIL						
24	WDRL-TV	DANVILLE VA	212.7	PLN	DTVPLN	-
DTVP0908						
24	WDRL-TV	DANVILLE VA	267.6	LIC	BLCT	-
19940818KF						
24	WDRL-TV	DANVILLE VA	268.0	APP	BSTA	-
20080807AAS						
24	WDRL-TV	DANVILLE VA	268.0	APP	BPCT	-
20071204ADC						
24	WDRL-TV	DANVILLE VA	268.0	APP	BSTA	-
20071210ACM						
24	WNVC	FAIRFAX VA	136.9	CP MOD	BMPEDT	-
20080609ACI						
24	WNVC	FAIRFAX VA	136.9	PLN	DTVPLN	-
DTVP0909						
24	W24DK	WOODSTOCK VA	22.3	CP	BNPTTL	-
20000831AOC						
24	WNPB-TV	MORGANTOWN WV	124.2	LIC	BLET	-
19930824KG						
25	WHAG-TV	HAGERSTOWN MD	114.9	CP	BPCT	-
20021203ACY						
26	WHAG-TV	HAGERSTOWN MD	114.9	CP MOD	BMPCDT	-
20080619AJL						
26	WHAG-TV	HAGERSTOWN MD	114.9	PLN	DTVPLN	-
DTVP0958						
28	WFPT	FREDERICK MD	136.4	LIC	BLEDT	-
20050302AEG						

28	WFPT	FREDERICK MD	136.4	PLN	DTVPLN	-
DTVP1041						
28	WFPT	FREDERICK MD	136.4	CP	BPEDT	-
20080620AHT						
32	WVIR-TV	CHARLOTTESVILLE VA	101.3	LIC	BLCDT	-
20040908AAE						
32	WVIR-TV	CHARLOTTESVILLE VA	101.3	PLN	DTVPLN	-
DTVP1201						
39	WJAL	HAGERSTOWN MD	135.3	APP	BMPCDT	-
20081008ABR						
39	WJAL	HAGERSTOWN MD	135.5	PLN	DTVPLN	-
DTVP1408						
39	WJAL	HAGERSTOWN MD	135.3	CP MOD	BMPCDT	-
20080528ABT						
39	W39AD	CENT.ROCKINGHAM COUN VA	29.1	LIC	BLTT	-
19840131IG						
21	WVPY-D	FRONT ROYAL VA	42.5	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WZDC-CA	WASHINGTON DC	BLTTL	-20070309ADR

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WBOC-TV	SALISBURY MD	133.8	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	133.8	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	133.8	LIC	BLCDT	-
20060703ABR						
21	WVPY	FRONT ROYAL VA	108.0	PLN	DTVPLN	-
DTVP0787						
24	WUTB	BALTIMORE MD	47.5	LIC	BLCT	-
19860103KG						
24	WNVC	FAIRFAX VA	14.3	CP MOD	BMPEDT	-
20080609ACI						
24	WNVC	FAIRFAX VA	14.3	PLN	DTVPLN	-
DTVP0909						
25	WQAW-LP	BOWIE MD	41.6	APP	BDISTTL	-
20060120ADQ						
25	WHAG-TV	HAGERSTOWN MD	110.5	CP	BPCT	-
20021203ACY						
25	WUNC-TV	CHAPEL HILL NC	388.0	CP MOD	BMPEDT	-
20080617AAK						
25	WUNC-TV	CHAPEL HILL NC	388.0	PLN	DTVPLN	-
DTVP0930						
25	WUNK-TV	GREENVILLE NC	379.3	LIC	BLET	-
20050713ABQ						
25	WNYE-TV	NEW YORK NY	331.9	APP	BLSTA	-
20080107ACH						
25	WNYE-TV	NEW YORK NY	331.9	LIC	BLET	-

19920220KG							
25	WNYE-TV	NEW YORK NY	331.9	APP	BLSTA	-	
20080107ACT							
25	KDKA-TV	PITTSBURGH PA	304.8	LIC	BLCDDT	-	
20041004ACS							
25	KDKA-TV	PITTSBURGH PA	304.8	PLN	DTVPLN	-	
DTVP0934							
25	WTVE	READING PA	187.0	LIC	BLCDDT	-	
20040323ATZ							
25	WTVE	READING PA	194.9	PLN	DTVPLN	-	
DTVP0935							
25	WTVE	READING PA	194.9	CP	BPCDDT	-	
20040518AAZ							
25	WTVR-TV	RICHMOND VA	165.0	LIC	BLCDDT	-	
20021204ABA							
25	WTVR-TV	RICHMOND VA	165.0	PLN	DTVPLN	-	
DTVP0939							
25	WAZM-CA	STAUNTON-WAYNESBORO VA	158.7	LIC	BLTTTL	-	
20011107ABW							
26	WETA-TV	WASHINGTON DC	3.3	LIC	BMLET	-	
20031216AAB							
26	WHAG-TV	HAGERSTOWN MD	110.5	CP MOD	BMPCDDT	-	
20080619AJL							
26	WHAG-TV	HAGERSTOWN MD	110.5	PLN	DTVPLN	-	
DTVP0958							
27	WETA-TV	WASHINGTON DC	1.2	LIC	BLEDT	-	
20070727ACJ							
27	WETA-TV	WASHINGTON DC	1.2	PLN	DTVPLN	-	
DTVP0991							
28	WFPT	FREDERICK MD	40.8	LIC	BLEDT	-	
20050302AEG							
28	WFPT	FREDERICK MD	40.8	PLN	DTVPLN	-	
DTVP1041							
28	WFPT	FREDERICK MD	40.8	CP	BPEDT	-	
20080620AHT							
28	WCPB	SALISBURY MD	143.2	CP MOD	BMPEDT	-	
20080620ANJ							
28	WCPB	SALISBURY MD	143.2	PLN	DTVPLN	-	
DTVP1042							
29	WMPB	BALTIMORE MD	62.1	LIC	BLEDT	-	
20031029ACG							
29	WMPB	BALTIMORE MD	62.5	PLN	DTVPLN	-	
DTVP1073							
29	WMPB	BALTIMORE MD	62.1	APP	BPEDT	-	
20080620AHW							
29	WMPB	BALTIMORE MD	62.1	CP	BPEDT	-	
20000501AHG							
33	WHUT-TV	WASHINGTON DC	1.2	CP MOD	BMPEDT	-	
20030409AAR							
33	WHUT-TV	WASHINGTON DC	1.2	PLN	DTVPLN	-	
DTVP1212							
33	WHUT-TV	WASHINGTON DC	1.2	APP	BPEDT	-	
20080619AGL							
39	WJAL	HAGERSTOWN MD	130.2	APP	BMPCDDT	-	
20081008ABR							
39	WJAL	HAGERSTOWN MD	130.3	PLN	DTVPLN	-	
DTVP1408							
39	WJAL	HAGERSTOWN MD	130.2	CP MOD	BMPCDDT	-	
20080528ABT							
40	WNUV	BALTIMORE MD	57.7	LIC	BLCDDT	-	

20051011AOI
 40 WNUV BALTIMORE MD 57.7 PLN DTVPLN -
 DTVP1440
 21 WVPY-D FRONT ROYAL VA 108.0 APP USERRECORD-01

Proposed station is beyond the site to
 nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WAZM-CA	STAUNTON-WAYNESBORO VA	BLTTL	-20011107ABW

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WVPY	FRONT ROYAL VA	73.7	PLN	DTVPLN	-
DTVP0787						
22	WRIC-TV	PETERSBURG VA	141.7	LIC	BLCDDT	-
20021112ACD						
22	WRIC-TV	PETERSBURG VA	141.7	PLN	DTVPLN	-
DTVP0828						
22	WRIC-TV	PETERSBURG VA	141.7	CP	BPCDDT	-
20080618ADU						
24	WAZH-CA	HARRISONBURG VA	51.9	LIC	BLTTL	-
19960823JC						
25	WKAS	ASHLAND KY	335.3	LIC	BLET	-423
25	WQAW-LP	BOWIE MD	199.6	APP	BDISTTL	-
20060120ADQ						
25	WHAG-TV	HAGERSTOWN MD	157.3	CP	BPCT	-
20021203ACY						
25	WUNC-TV	CHAPEL HILL NC	283.0	CP MOD	BMPEDT	-
20080617AAK						
25	WUNC-TV	CHAPEL HILL NC	283.0	PLN	DTVPLN	-
DTVP0930						
25	WUNK-TV	GREENVILLE NC	332.3	LIC	BLET	-
20050713ABQ						
25	KDKA-TV	PITTSBURGH PA	256.9	LIC	BLCDDT	-
20041004ACS						
25	KDKA-TV	PITTSBURGH PA	256.9	PLN	DTVPLN	-
DTVP0934						
25	WTVE	READING PA	329.2	LIC	BLCDDT	-
20040323ATZ						
25	WTVE	READING PA	340.9	PLN	DTVPLN	-
DTVP0935						
25	WTVE	READING PA	340.9	CP	BPCDDT	-
20040518AAZ						
25	WTVR-TV	RICHMOND VA	141.7	LIC	BLCDDT	-
20021204ABA						
25	WTVR-TV	RICHMOND VA	141.7	PLN	DTVPLN	-
DTVP0939						
25	WEDD-LP	ROANOKE, ETC. VA	180.6	CP	BDISTTL	-
20070123ABM						
32	WVIR-TV	CHARLOTTESVILLE VA	52.0	LIC	BLCDDT	-

20040908AAE
 32 WVIR-TV CHARLOTTESVILLE VA 52.0 PLN DTVPLN -
 DTVP1201
 39 NEW RICHMOND VA 136.2 ADD BPRM -
 20000717ACH
 21 WVPY-D FRONT ROYAL VA 73.7 APP USERRECORD-01

Proposed station is beyond the site to
 nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	WAZF-CA	WINCHESTER/FRONT ROY VA	BLTTL	-19940422IK

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WVPY	FRONT ROYAL VA	29.3	PLN	DTVPLN	-
DTVP0787						
24	WNVC	FAIRFAX VA	89.9	CP MOD	BMPEDT	-
20080609ACI						
24	WNVC	FAIRFAX VA	89.9	PLN	DTVPLN	-
DTVP0909						
25	WHAG-TV	HAGERSTOWN MD	55.0	CP	BPCT	-
20021203ACY						
26	WETA-TV	WASHINGTON DC	96.3	LIC	BMLET	-
20031216AAB						
26	WHAG-TV	HAGERSTOWN MD	55.0	CP MOD	BMPCDT	-
20080619AJL						
26	WHAG-TV	HAGERSTOWN MD	55.0	PLN	DTVPLN	-
DTVP0958						
27	WETA-TV	WASHINGTON DC	98.7	LIC	BLEDT	-
20070727ACJ						
27	WETA-TV	WASHINGTON DC	98.7	PLN	DTVPLN	-
DTVP0991						
28	WFPT	FREDERICK MD	75.0	LIC	BLEDT	-
20050302AEG						
28	WFPT	FREDERICK MD	75.0	PLN	DTVPLN	-
DTVP1041						
28	WFPT	FREDERICK MD	75.0	CP	BPEDT	-
20080620AHT						
28	WCPB	SALISBURY MD	241.5	CP MOD	BMPEDT	-
20080620ANJ						
28	WCPB	SALISBURY MD	241.5	PLN	DTVPLN	-
DTVP1042						
28	WCPB	SALISBURY MD	241.5	LIC	BLET	-
19950629KE						
28	WRDC	DURHAM NC	392.6	CP	BPCDT	-
20080317AGR						
28	WRDC	DURHAM NC	392.6	PLN	DTVPLN	-
DTVP1047						
28	WRDC	DURHAM NC	392.5	LIC	BLCT	-
19910116KE						

28	WRDC	DURHAM NC	392.5	APP	BMPCDT	-
20080620AJU						
28	WNBC	NEW YORK NY	392.9	APP	BPCDT	-
20080620ADL						
28	WNBC	NEW YORK NY	392.8	PLN	DTVPLN	-
DTVP1049						
28	WVTX-CA	BRIDGEPORT OH	240.6	APP	BSTA	-
20061222ABQ						
28	WVTX-CA	BRIDGEPORT OH	240.3	LIC	BLTTA	-
20050919ABE						
28	WUAB	LORAIN OH	386.0	LIC	BLCDT	-
20020516AAG						
28	WUAB	LORAIN OH	386.0	PLN	DTVPLN	-
DTVP1051						
28	WBRE-TV	WILKES-BARRE PA	295.5	LIC	BLCT	-
19891005KF						
28	W28BF	HARRISONBURG VA	102.9	LIC	BLTT	-
19951011IA						
29	WMPB	BALTIMORE MD	123.5	LIC	BLEDT	-
20031029ACG						
29	WMPB	BALTIMORE MD	123.8	PLN	DTVPLN	-
DTVP1073						
29	WMPB	BALTIMORE MD	123.5	APP	BPEDT	-
20080620AHW						
29	WMPB	BALTIMORE MD	123.5	CP	BPEDT	-
20000501AHG						
30	WNVT	GOLDVEIN VA	89.9	LIC	BLEDT	-
20031230AAR						
30	WNVT	GOLDVEIN VA	89.9	PLN	DTVPLN	-
DTVP1125						
31	WWPB	HAGERSTOWN, MD	53.6	LIC	BLET	-
19960828KE						
32	WHUT-TV	WASHINGTON DC	96.2	LIC	BLET	-
19801107KE						
32	WVIR-TV	CHARLOTTESVILLE VA	137.3	LIC	BLCDT	-
20040908AAE						
32	WVIR-TV	CHARLOTTESVILLE VA	137.3	PLN	DTVPLN	-
DTVP1201						
35	WDCA	WASHINGTON DC	98.3	APP	BPCDT	-
20080620ANP						
35	WDCA	WASHINGTON DC	98.3	PLN	DTVPLN	-
DTVP1283						
35	WDCA	WASHINGTON DC	98.3	CP MOD	BMPCDT	-
20060519ACK						
36	WTTG	WASHINGTON DC	98.3	LIC	BLCDT	-
19991013AAB						
36	WTTG	WASHINGTON DC	98.3	PLN	DTVPLN	-
DTVP1320						
36	WTTG	WASHINGTON DC	98.3	CP	BPCDT	-
20080313ACG						
36	WGPT	OAKLAND MD	98.6	PLN	DTVPLN	-
DTVP1332						
36	WGPT	OAKLAND MD	98.6	CP	BPEDT	-
20080318AAB						
36	WGPT	OAKLAND MD	98.6	APP	BMPEDT	-
20080620ANK						
42	WMPT	ANNAPOLIS MD	137.0	LIC	BLEDT	-
20030903ABC						
42	WMPT	ANNAPOLIS MD	137.0	PLN	DTVPLN	-
DTVP1506						

42	WMPT	ANNAPOLIS MD	137.0	APP	BPEDT	-
20080620AIA						
42	WVPY	FRONT ROYAL VA	29.3	LIC	BLET	-
20070226AEU						
43	WPXW	MANASSAS VA	86.3	APP	BPCT	-
20011214AAQ						
21	WVPY-D	FRONT ROYAL VA	29.3	APP	USERRECORD-01	
Proposal causes no interference						

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WVPY-D	FRONT ROYAL VA	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
20	WWCW	LYNCHBURG VA	214.8	CP MOD	BMPCDT -
20080619AJT					
20	WWCW	LYNCHBURG VA	214.8	PLN	DTVPLN -
DTVP0745					
21	WBOC-TV	SALISBURY MD	238.4	APP	BPCDT -
20080620AFP					
21	WBOC-TV	SALISBURY MD	238.4	PLN	DTVPLN -
DTVP0767					
21	WBOC-TV	SALISBURY MD	238.4	LIC	BLCDT -
20060703ABR					
21	WBNS-TV	COLUMBUS OH	418.3	LIC	BLCDT -
20021025ABK					
21	WBNS-TV	COLUMBUS OH	418.3	PLN	DTVPLN -
DTVP0776					
21	WBNS-TV	COLUMBUS OH	418.3	APP	BPCDT -
20080620ANA					
21	WHP-TV	HARRISBURG PA	198.4	PLN	DTVPLN -
DTVP0778					
21	WHP-TV	HARRISBURG PA	198.4	CP MOD	BMPCDT -
20080606AEJ					
22	WRIC-TV	PETERSBURG VA	173.0	LIC	BLCDT -
20021112ACD					
22	WRIC-TV	PETERSBURG VA	173.0	PLN	DTVPLN -
DTVP0828					
22	WRIC-TV	PETERSBURG VA	173.0	CP	BPCDT -
20080618ADU					

Total scenarios = 6

Result key: 19
Scenario 1 Affected station 18
Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
HAAT 402.0 m, ATV ERP 100.0 kW
POPULATION AREA (sq km)

within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	135073	910.5
lost to ATV IX only	135073	910.5
lost to all IX	135073	910.5

Potential Interfering Stations Included in above Scenario 1

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A PA HARRISBURG	DTVPLN	DTVP0778	PLN

Result key: 20
Scenario 2 Affected station 18
Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
HAAT 402.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	117751	746.7
lost to ATV IX only	117751	746.7
lost to all IX	117751	746.7

Potential Interfering Stations Included in above Scenario 2

21A MD SALISBURY	DTVPLN	DTVP0767	PLN
21A PA HARRISBURG	BMPCDT	20080606AEJ	CP

Result key: 21
Scenario 3 Affected station 18
Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
HAAT 402.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	135073	910.5
lost to ATV IX only	135073	910.5
lost to all IX	135073	910.5

Potential Interfering Stations Included in above Scenario 3

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A PA HARRISBURG	DTVPLN	DTVP0778	PLN

Result key: 22
Scenario 4 Affected station 18
Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
HAAT 402.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0

lost to additional IX by ATV	117751	746.7
lost to ATV IX only	117751	746.7
lost to all IX	117751	746.7

Potential Interfering Stations Included in above Scenario 4

21A MD SALISBURY	BLCDT	20060703ABR	LIC
21A PA HARRISBURG	BMPCDT	20080606AEJ	CP

Result key: 23
 Scenario 5 Affected station 18
 Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
 HAAT 402.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	136916	942.4
lost to ATV IX only	136916	942.4
lost to all IX	136916	942.4

Potential Interfering Stations Included in above Scenario 5

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A PA HARRISBURG	DTVPLN	DTVP0778	PLN

Result key: 24
 Scenario 6 Affected station 18
 Before Analysis

Results for: 21A VA FRONT ROYAL USERRECORD01 APP
 HAAT 402.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1408642	22322.0
not affected by terrain losses	1073335	16735.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	119707	782.7
lost to ATV IX only	119707	782.7
lost to all IX	119707	782.7

Potential Interfering Stations Included in above Scenario 6

21A MD SALISBURY	BPCDT	20080620AFP	APP
21A PA HARRISBURG	BMPCDT	20080606AEJ	CP

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

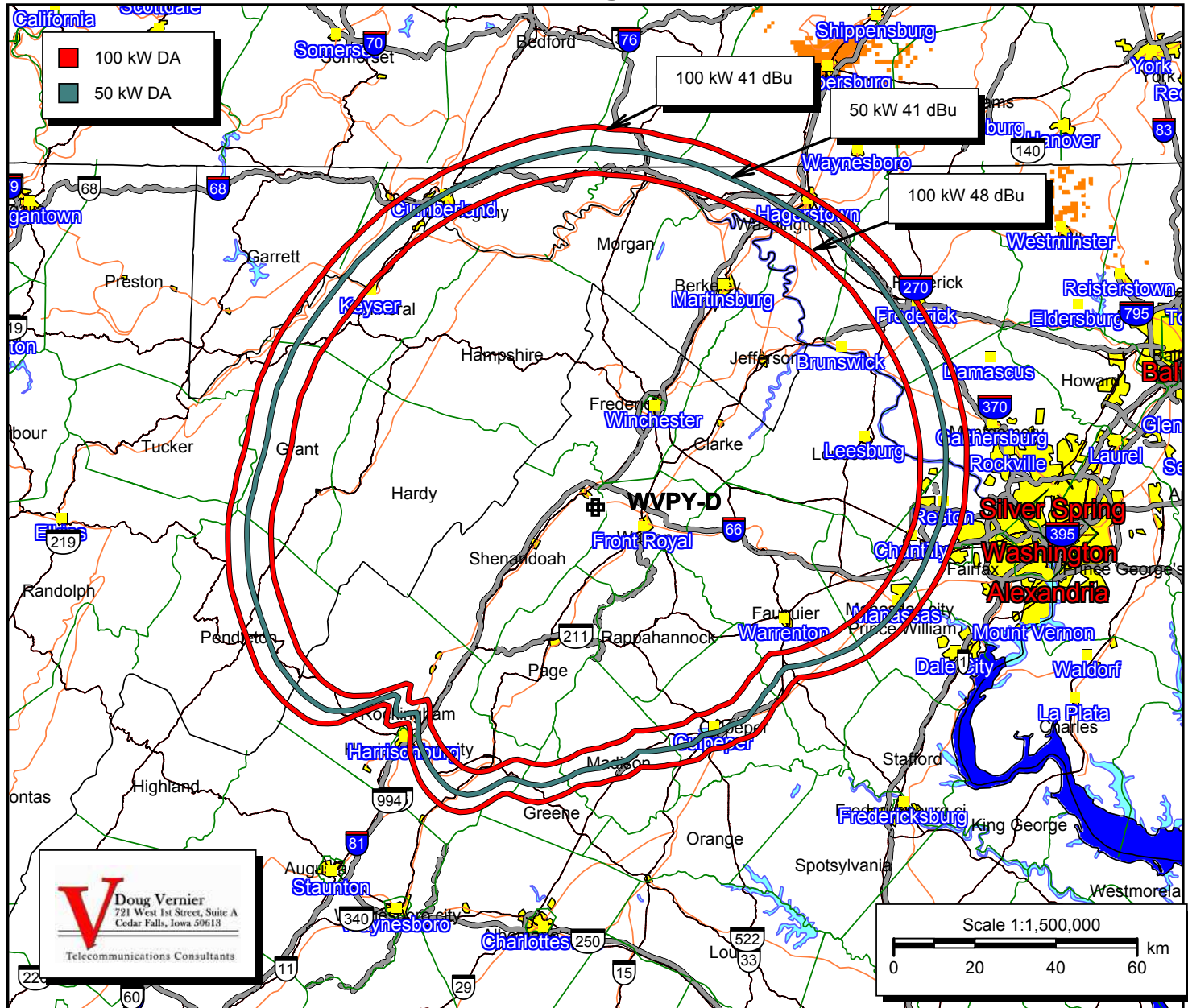
41 and 48 dBu Coverage Contours (dipole corrected)

WVPY-D

Latitude: 38-57-36 N
 Longitude: 078-19-52 W
 ERP: 50.00 kW
 Channel: 21
 Frequency: 515.0 MHz
 AMSL Height: 669.0 m
 Horiz. Pattern: Directional
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast
 Population = 1,109,820
 Area = 20,307 sq km

WVPY-D

Latitude: 38-57-36 N
 Longitude: 078-19-52 W
 ERP: 100.00 kW
 Channel: 21
 Frequency: 515.0 MHz
 AMSL Height: 669.0 m
 Horiz. Pattern: Omni
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 10.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast
 Pop = 1,378,911
 Area = 22,755 sq km



R.F. RADIATION COMPLIANCE STATEMENT
Channel 21 – 100 kW H DA
Shenandoah Valley Educational TV Corp

October 15, 2008

The WVPY-DT transmitter site is located atop Signal Knob. There are only two transmitters at this site, WVPY-DT and WVPY-TV. The analog TV station will cease operation as required on February 17, 2009. The site, fenced, gated and locked has warning signs posted making it a "controlled environment."

Based on the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radio frequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, the applicant proposes to operate WVPY-DT on its assigned channel of channel 21 with its current high-gain directional antenna and with the newly increased ERP of 100 kW. This station operates from an antenna mounted at 26 meters above the ground. At head height when assuming a vertical elevation field of 0.1 toward the nadir, this station produces a power density of 58.0 microwatts per square centimeter, which is 3.4 percent of the 1,716.7 microwatts per square centimeter maximum for the frequency in use.

Until the transition to digital television is complete analog WVPY-TV, on channel 42, will operate using its licensed 141 kW H visual power with its directional antenna of 27 meters above ground. Assuming the maximum 22% aural injection, the station is predicted to produce a maximum R.F. non-ionization radiation level at a position 25 feet (head height) above the tower base of 46.7 microwatts per square centimeter. Since the applicant proposes a high gain UHF antenna, a vertical elevation field of 0.1 toward the nadir was also used in this calculation. For a controlled environment, 46.7 microwatts per square centimeter amounts to only 2.19 percent of the maximum for the frequency in use of 2,136.7 microwatts per square centimeter.

Together, the common facilities produce a total of 5.59 percent of the maximum for a controlled environment. Consequently, the proposed facility complies with the Commission's Rules with regard to protection of workers and the general public from non-ionization radio frequency radiation

The applicant will protect workers on the tower by either reducing ERP or terminating transmission. An agreement is in effect with the users at this location to reduce power or to terminate operations to protect workers from receiving in excess of the Commission's standard.

Doug Vernier
Telecommunications Consultants