

## **ENGINEERING EXHIBIT**

### **Incentive Auction Channel Reassignment**

### **Application for Minor Modification of Digital Television Station Construction Permit**

prepared for

#### **Hampton Roads Educational Telecommunications Assoc., Inc.**

WHRO-TV Hampton-Norfolk, VA

Facility ID 25932

Ch. 31 1000 kW 375 m

*Hampton Roads Educational Telecommunications Assoc., Inc. ("HRETA")* is the licensee of digital television station WHRO-TV, Channel 16, Facility ID 25932, Hampton-Norfolk, VA. Reassignment of WHRO-TV from Channel 16 to Channel 31 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice ("CCRPN"*, DA 17-317, released April 13, 2017). A Construction Permit ("CP" file# 0000026987) authorizes WHRO-TV to operate on Channel 31 at 1000 kW effective radiated power ("ERP") with a directional antenna at 358 meters height above average terrain ("HAAT"). *HRETA* proposes herein a minor modification of the reassignment CP to increase the antenna HAAT to 375 meters and to employ a nondirectional antenna having elliptical polarization. No other changes are sought.

The WHRO-TV Channel 31 CP authorizes operation with a new antenna system to be installed atop a candelabra tower in lieu of the existing WHRO-TV Channel 16 antenna. The licensed WHRO-TV Channel 16 antenna is the bottom antenna in a stack of two television station antennas. Like the current configuration, the Channel 31 CP specifies a replacement antenna that would be at the bottom position of the stack

The tower structure owner, American Tower Corporation, now plans to install a new broadband UHF antenna that will be shared by WHRO-TV and other television stations. The broadband antenna is nondirectional and will be mounted on the candelabra tower structure at the top-most elevation. The existing tower structure corresponds to FCC Antenna Structure Registration number 1057874. No change to the overall structure height will result.

The use of the broadband antenna would increase the WHRO-TV antenna height above ground level and HAAT by 17.7 meters. *HRETA* proposes to operate WHRO-TV with an ERP of 1000 kW nondirectional at 375 meters HAAT. The proposed antenna is an RFS model PEP70E-O5-2-T. WHRO-TV will utilize 30 percent elliptical polarization. The horizontally polarized ERP is 1000 kW and the vertically polarized ERP is 300 kW.

Figure 1 supplies a map that demonstrates compliance with §73.625(a)(1) regarding coverage of the entire principal community. The proposed facility's predicted population exceeds 95 percent of the *CCRPN* baseline facility's population.

The proposed WHRO-TV noise limited service contour ("NLSC") extends beyond that of the *CCRPN* facility. The existing CP specifies the same technical parameters as specified for WHRO-TV in the *CCRPN*. A comparison map of the WHRO-TV proposed and authorized NLSC is provided as Figure 2. The FCC's NLSC expansion "freeze" Public Notice<sup>1</sup> of April 5, 2013 (DA 13-618) is not applicable to the proposal since the freeze was lifted<sup>2</sup> on July 22, 2019 for reassigned stations such as WHRO-TV that have not completed the transition to their post-auction channels.

Interference study per FCC OET Bulletin 69<sup>3</sup> shows that the proposal complies with the 0.5 percent limit of new interference caused to pertinent nearby post-auction full service and Class A television stations and reassignments as required by §73.616. The interference study output report is provided as Table 1.

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<sup>1</sup>"Media Bureau Announces Limitations on the Filing and Processing of Full Power and Class A Television Station Modification Applications, Effective Immediately, and Reminds Stations of Spectrum Act Preservation Mandate," DA 13-618, Public Notice, released April 5, 2013.

<sup>2</sup>"Media Bureau Lifts the Freeze on the Filing of Minor Modification Applications that Expand the Contour of Full Power and Class A Television Stations for Certain Repacked Stations, Effective Immediately," DA 19-684, Public Notice, released July 22, 2019.

<sup>3</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004. This analysis employed the FCC's current "TVStudy" software with the default application processing template settings, 2 km cell size, and 1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC's implementation of TVStudy show excellent correlation.

The proposed 1000 kW ERP exceeds the maximum permitted by §73.622(f)(8)(i) for the proposed antenna HAAT of 375 meters. Section 73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the same market. As demonstrated in Figure 3, the total area within the proposed WHRO-TV NLSC is 33,935 square kilometers, which does not exceed the NLSC area of WUND-TV (37,808 sq. km, reassignment Ch. 29, Edenton NC, file# 0000025090)<sup>4</sup> or WSKY-TV (37,209 sq. km, reassignment Ch. 13, Manteo NC, file# 0000027680). Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5).

### **Human Exposure to Radiofrequency Electromagnetic Field (Environmental)**

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 10 percent antenna relative field in downward elevations (pattern data shows 10 percent or less relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is  $3.1 \mu\text{W}/\text{cm}^2$ , which is 0.8 percent of the general population/uncontrolled maximum permitted exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from RF electromagnetic field exposure in excess of FCC guidelines. This

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<sup>4</sup>WUND-TV's principal community was changed to Edenton NC in order to associate WUND-TV with the Norfolk-Portsmouth-Newport News, Virginia DMA, the same market as WHRO-TV. *Amendment of Section 73.606(b), Table of Allotments, Television Broadcast Stations; and Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations (Columbia and Edenton, North Carolina), MB Docket 04-289, DA 05-2051, released July 22, 2005.*

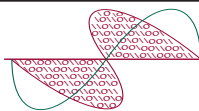
exhibit is limited to the evaluation of exposure to RF electromagnetic field. No increase in structure height is proposed.

*List of Attachments*

Figure 1	Proposed Coverage Contours
Figure 2	Coverage Contour Comparison
Figure 3	Maximum ERP per §73.622(f)
Table 1	TVStudy Analysis of Proposal
Form 2100	Saved Version of Engineering Sections of FCC Form at Time of Upload

**Chesapeake RF Consultants, LLC**

Joseph M. Davis, P.E.	August 23, 2019	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600

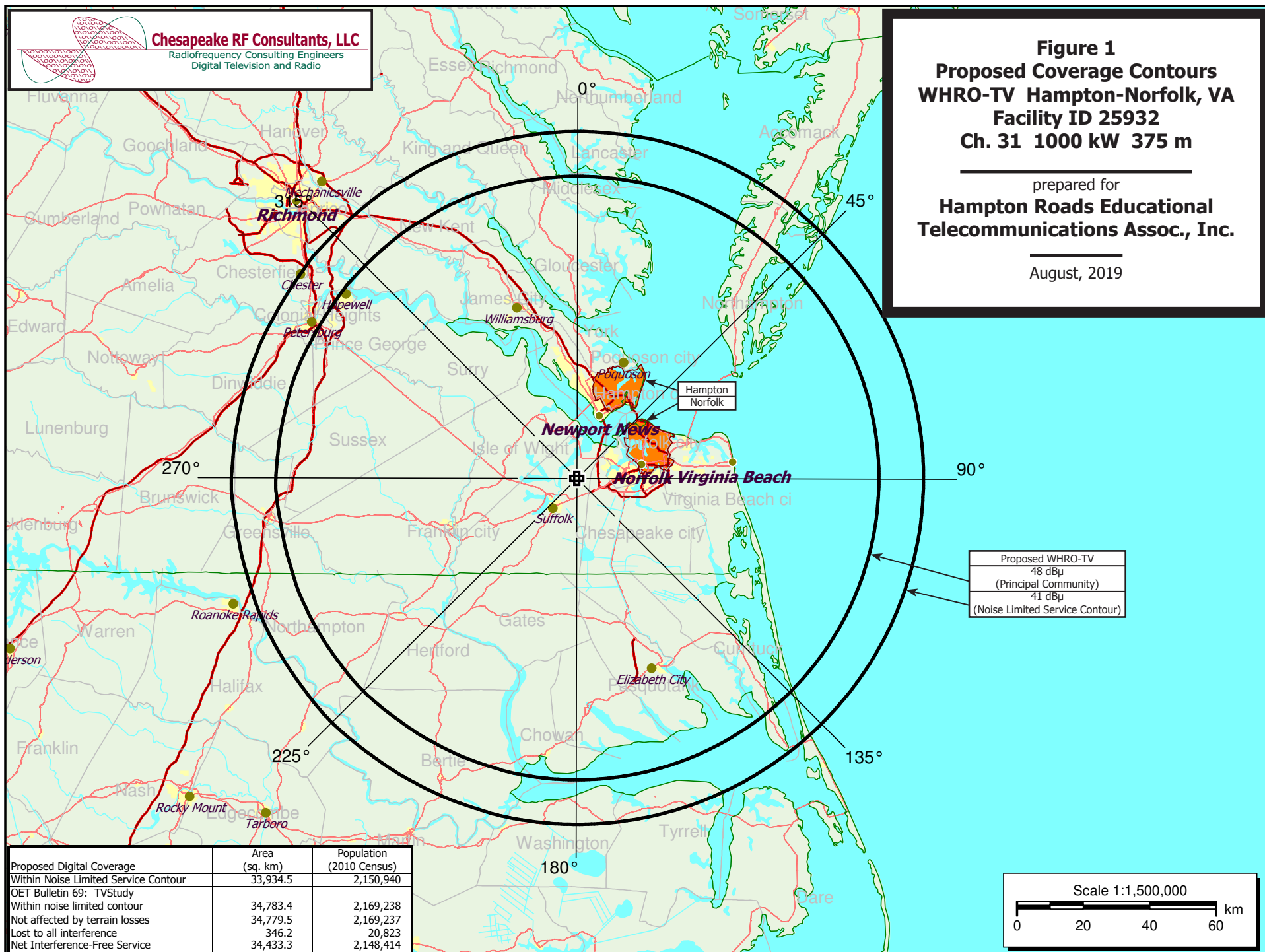


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Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 1**  
**Proposed Coverage Contours**  
**WHRO-TV Hampton-Norfolk, VA**  
**Facility ID 25932**  
**Ch. 31 1000 kW 375 m**

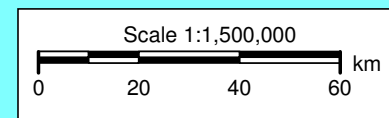
prepared for  
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**Telecommunications Assoc., Inc.**

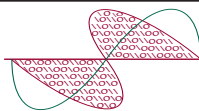
August, 2019



Proposed WHRO-TV
48 dBu
(Principal Community)
41 dBu
(Noise Limited Service Contour)

Proposed Digital Coverage	Area (sq. km)	Population (2010 Census)
Within Noise Limited Service Contour	33,934.5	2,150,940
OET Bulletin 69: TVStudy		
Within noise limited contour	34,783.4	2,169,238
Not affected by terrain losses	34,779.5	2,169,237
Lost to all interference	346.2	20,823
Net Interference-Free Service	34,433.3	2,148,414





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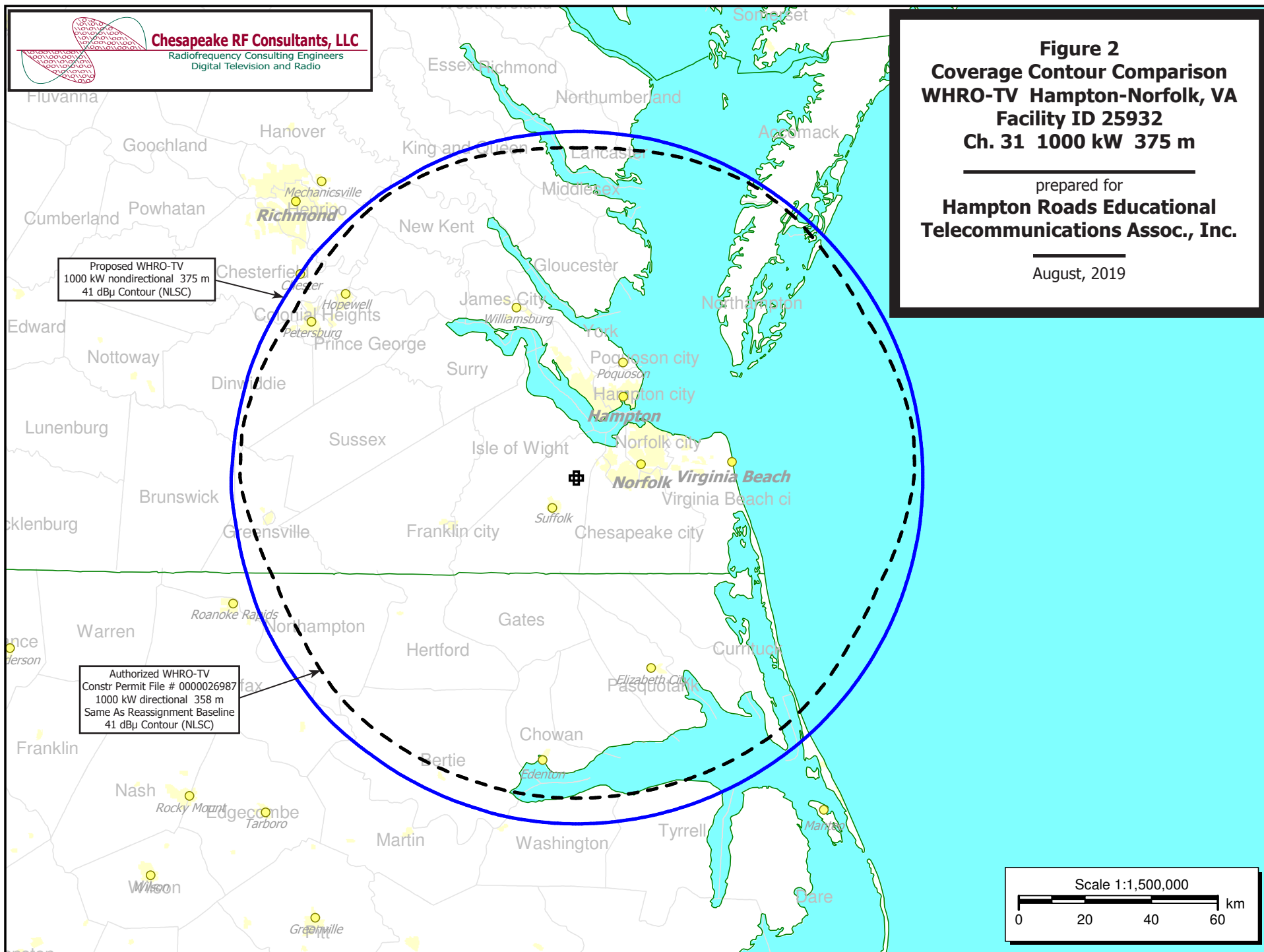
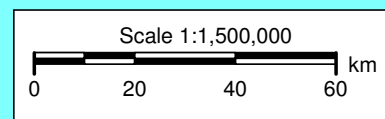
**Figure 2**  
**Coverage Contour Comparison**  
**WHRO-TV Hampton-Norfolk, VA**  
**Facility ID 25932**  
**Ch. 31 1000 kW 375 m**

prepared for  
**Hampton Roads Educational**  
**Telecommunications Assoc., Inc.**

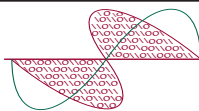
August, 2019

Proposed WHRO-TV  
1000 kW nondirectional 375 m  
41 dBu Contour (NLSC)

Authorized WHRO-TV  
Constr Permit File # 0000026987  
1000 kW directional 358 m  
Same As Reassignment Baseline  
41 dBu Contour (NLSC)





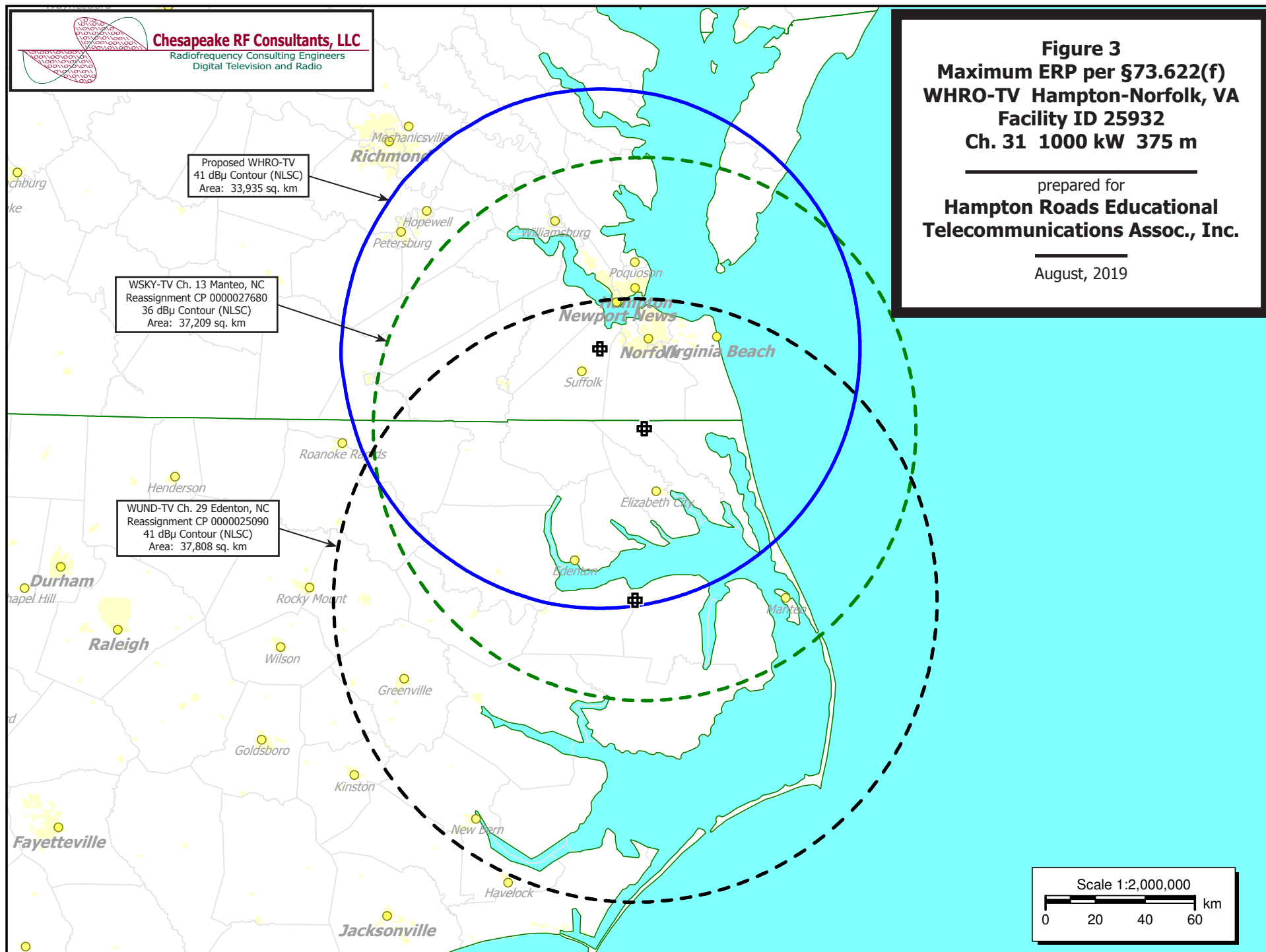


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**Figure 3**  
**Maximum ERP per §73.622(f)**  
**WHRO-TV Hampton-Norfolk, VA**  
**Facility ID 25932**  
**Ch. 31 1000 kW 375 m**

prepared for  
**Hampton Roads Educational**  
**Telecommunications Assoc., Inc.**

August, 2019



# **Table 1 WHRO-TV TVStudy Analysis of Proposal** (page 1 of 3)



tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: WHRO-TV CP-Mod\_Top, Model: Longley-Rice  
Start: 2019.08.23 11:05:11

Study created: 2019.08.23 11:05:11

Study build station data: LMS TV 2019-08-20

Proposal: WHRO-TV D31 DT APP HAMPTON-NORFOLK, VA  
File number: WHRO-TV CP-Mod Top  
Facility ID: 25932  
Station data: User record  
Record ID: 2840  
Country: U.S.  
Zone: I

Search options:  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WHIG-CD	D30	DC	CP	ROCKY MOUNT, NC	BLANK0000028657	152.4 km
Yes	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	243.3
Yes	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	244.8
Yes	WGHP	D31	DT	CP	HIGH POINT, NC	BLANK0000034212	318.8
No	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	450.5
No	WTXF-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	375.7
No	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	429.8
No	WBOC-TV	D32	DT	LIC	SALISBURY, MD	BLANK0000079962	203.1
No	WRPX-TV	D32	DT	CP	ROCKY MOUNT, NC	BLANK0000068236	182.8
No	WCAV	D32	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034188	218.1
Yes	WPXV-TV	D32	DT	CP	NORFOLK, VA	BLANK0000068420	3.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31  
Latitude: 36 48 31.80 N (NAD83)  
Longitude: 76 30 11.30 W  
Height AMSL: 381.3 m  
HAAT: 375.3 m  
Peak ERP: 1000 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.70

40.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	378.8 m	105.5 km
45.0	1000	376.7	105.3
90.0	1000	377.2	105.4
135.0	1000	376.6	105.3
180.0	1000	374.6	105.2
225.0	1000	374.7	105.2
270.0	1000	373.8	105.1
315.0	1000	369.8	104.7

ERP exceeds maximum  
ERP: 1000 kW ERP maximum: 966 kW

Distance to Canadian border: 692.0 km

Distance to Mexican border: 2273.7 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 354.0 degrees Distance: 263.4 km

Proposal is not within the West Virginia quiet zone area



**Table 1 WHRO-TV TVStudy Analysis of Proposal**  
(page 2 of 3)



Conditions at Table Mountain receiving zone:  
Bearing: 287.3 degrees Distance: 2515.4 km

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000029879 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	
Undesireds:	WHRO-TV	D31	DT	BL	HAMPTON-NORFOLK, VA	DTVBL25932	243.3 km
	WHRO-TV	D31	DT	APP	HAMPTON-NORFOLK, VA	WHRO-TV CP-Mod Top	243.3
	WDCO-CD	D30	DC	BL	WOODSTOCK, VA	DTVBL57905	54.2
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	41.2
	WPXN-TV	D31	DT	LIC	NEW YORK, NY	BLANK0000037694	326.9
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	214.3
	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	199.0
	WBOC-TV	D32	DT	LIC	SALISBURY, MD	BLANK0000079962	134.0
	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	156.1
	WCAV	D32	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034188	162.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26547.6 8,315,499	25551.9 8,258,807	11218.3 5,394,336	11218.3 5,394,336	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WHRO-TV D31 DT BL	346.5 18,601	31.8 169	
WHRO-TV D31 DT APP	410.3 22,728		31.8 169
WDCO-CD D30 DC BL	164.2 3,022	32.0 302	32.0 302
WMPT D31 DT BL	14174.3 2,850,374	13201.7 2,782,633	13174.1 2,779,302
WPXN-TV D31 DT LIC	4.0 286	0.0 0	0.0 0
WATM-TV D31 DT CP	222.6 16,037	11.9 809	11.9 809
WTFX-TV D31 DT LIC	558.1 52,661	47.8 11,752	47.8 11,752
WBOC-TV D32 DT LIC	96.5 2,650	0.0 0	0.0 0
WHP-TV D32 DT LIC	23.7 1,707	4.0 127	4.0 127
WCAV D32 DT CP	4.0 51	0.0 0	0.0 0

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Interference to DTVBL65942 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	
Undesireds:	WHRO-TV	D31	DT	BL	HAMPTON-NORFOLK, VA	DTVBL25932	244.9 km
	WHRO-TV	D31	DT	APP	HAMPTON-NORFOLK, VA	WHRO-TV CP-Mod Top	244.8
	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	41.6
	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	164.0
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	41.2
	WPXN-TV	D31	DT	LIC	NEW YORK, NY	BLANK0000037694	291.3
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	233.6
	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	164.1
	WBOC-TV	D32	DT	LIC	SALISBURY, MD	BLANK0000079962	100.8
	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	150.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23889.3 7,945,174	23642.3 7,913,708	8461.0 3,018,223	8461.0 3,018,223	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WHRO-TV D31 DT BL	270.8 17,565	0.0 0	
WHRO-TV D31 DT APP	366.2 31,710		0.0 0
WIAV-CD D30 DC CP	72.1 73,504	4.0 8,590	4.0 8,590
KYW-TV D30 DT CP	4.0 8	0.0 0	0.0 0
WETA-TV D31 DT CP	15029.6 4,861,951	12411.1 4,543,843	12367.4 4,538,764
WPXN-TV D31 DT LIC	12.1 879	0.0 0	0.0 0
WATM-TV D31 DT CP	91.6 9,570	4.0 24	4.0 24
WTFX-TV D31 DT LIC	2197.1 269,597	107.7 21,196	107.7 21,196
WBOC-TV D32 DT LIC	441.5 13,355	0.0 0	0.0 0
WHP-TV D32 DT LIC	39.9 1,964	4.0 166	4.0 166

**Table 1 WHRO-TV TVStudy Analysis of Proposal**  
(page 3 of 3)



Interference to BLANK0000034212 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGHP	D31	DT	CP	HIGH POINT, NC	BLANK0000034212	
Undesireds:	WHRO-TV	D31	DT	BL	HAMPTON-NORFOLK, VA	DTVBL25932	318.8 km
	WHRO-TV	D31	DT	APP	HAMPTON-NORFOLK, VA	WHRO-TV CP-Mod Top	318.8
	WUNU	D30	DT	CP	LUMBERTON, NC	BLANK0000034418	134.0
	WDBJ	D30	DT	CP	ROANOKE, VA	BLANK0000029919	156.2
	WKTC	D31	DT	CP	SUMTER, SC	BLANK0000027544	206.5
	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	265.2
	WAXN-TV	D32	DT	CP	KANNAPOLIS, NC	BLANK0000034696	100.9
	WRPX-TV	D32	DT	CP	ROCKY MOUNT, NC	BLANK0000068236	152.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36143.5		4,174,964		35545.4		3,749,411	0.09
				33834.9		3,741,248	0.22
Undesired			Total IX	Unique IX, before		Unique IX, after	
WHRO-TV D31 DT BL			116.1	9,993		43.9	
WHRO-TV D31 DT APP			192.2	33,064		75.9	
WUNU D30 DT CP			479.9	18,855		408.5	
WDBJ D30 DT CP			139.2	10,273		139.2	
WKTC D31 DT CP			310.1	50,989		154.6	
WOAY-TV D31 DT CP			4.0	195		0.0	
WAXN-TV D32 DT CP			595.8	236,844		527.9	
WRPX-TV D32 DT CP			281.1	96,735		220.9	

Interference to BLANK0000068420 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXV-TV	D32	DT	CP	NORFOLK, VA	BLANK0000068420	
Undesireds:	WHRO-TV	D31	DT	BL	HAMPTON-NORFOLK, VA	DTVBL25932	3.2 km
	WHRO-TV	D31	DT	APP	HAMPTON-NORFOLK, VA	WHRO-TV CP-Mod Top	3.2
	WBOC-TV	D32	DT	LIC	SALISBURY, MD	BLANK0000079962	201.2
	WRPX-TV	D32	DT	CP	ROCKY MOUNT, NC	BLANK0000068236	185.9
	WCAV	D32	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034188	220.1
	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLCDT20090602ABA	3.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27162.9		1,919,794		27158.9		1,892,984	0.02
				26094.7		1,892,984	0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
WHRO-TV D31 DT BL			43.9	690		0.0	
WHRO-TV D31 DT APP			131.7	2,501		4.0	
WBOC-TV D32 DT LIC			258.4	3,326		242.5	
WRPX-TV D32 DT CP			343.0	4,819		291.2	
WCAV D32 DT CP			243.1	8,870		199.3	
WTVZ-TV D33 DT LIC			315.3	13,874		203.6	

Interference to proposal scenario 1  
0.96% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHRO-TV	D31	DT	APP	HAMPTON-NORFOLK, VA	WHRO-TV CP-Mod Top	
Undesireds:	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	243.3 km
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	244.8
	WGHP	D31	DT	CP	HIGH POINT, NC	BLANK0000034212	318.8
	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	375.7
	WPXV-TV	D32	DT	CP	NORFOLK, VA	BLANK0000068420	3.2
Service area		Terrain-limited		IX-free		Percent IX	
34783.4		2,169,238		34779.5		2,148,414	1.00
				34433.3		2,148,414	0.96
Undesired			Total IX	Unique IX		Prct Unique IX	
WETA-TV D31 DT CP			326.2	20,201		214.8	
WMPT D31 DT BL			111.3	2,009		4.0	
WGHP D31 DT CP			8.0	0		4.0	
WTFX-TV D31 DT LIC			4.0	117		0.0	
WPXV-TV D32 DT CP			19.9	713		12.0	

**Channel and  
Facility  
Information**

Section	Question	Response
Proposed Community of License	Facility ID	25932
	State	Virginia
	City	HAMPTON-NORFOLK
	DTV Channel	31
	Designated Market Area	NORFOLK-PORTSMTH-NEWPT NWS
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	1

**Antenna Location  
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1057874
Coordinates (NAD83)	Latitude	36° 48' 31.8" N+
	Longitude	076° 30' 11.3" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	383.7 meters
	Support Structure Height	382.5 meters
	Ground Elevation (AMSL)	7.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	374.3 meters
	Height of Radiation Center Above Average Terrain	375.3 meters
	Height of Radiation Center Above Mean Sea Level	381.3 meters
	Effective Radiated Power	1000 kW

## Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	PEP70E-O5-2-T
	Rotation	
	Electrical Beam Tilt	0.7
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	

**Construction  
Permit  
Certifications**

Section	Question	Response
<b>Post-Incentive Auction Expedited Processing</b>	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	Yes
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	No
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	Yes
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect 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.	Yes
<b>Environmental Effect</b>	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	No
<b>Broadcast Facility</b>	The proposed facility complies with the applicable engineering standards and assignment requirements of 47 C. F.R. Sections 73.616, 73.622(i), 73.623(e), 73.625, 73.1030, and 73.1125.	Yes