



## ENGINEERING EXHIBIT

### **Incentive Auction Channel Reassignment**

#### **Application for Digital Television Station Construction Permit**

prepared for

**University Of North Carolina**  
WUNP-TV Roanoke Rapids, NC  
Facility ID 69397  
Ch. 27 117 kW 363 m

*University Of North Carolina (“UNC”)* is the licensee of digital television station WUNP-TV, Channel 36, Facility ID 69397, Roanoke Rapids, NC. *UNC* herein proposes construction of the WUNP-TV post-auction facility on Channel 27. Reassignment of WUNP-TV from Channel 36 to Channel 27 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice* (“CCRPN”, DA 17-317, released April 13, 2017).

The proposed Channel 27 operation will employ a new antenna system to be top-mounted on the WUNP-TV tower in lieu of the existing Channel 36 antenna. *UNC* proposes to operate WUNP-TV with an effective radiated power (“ERP”) of 117 kW at 363 meters antenna height above average terrain (“HAAT”). The existing tower structure corresponds to FCC Antenna Structure Registration number 1014576. No change to the overall structure height will result.

The proposed antenna is an elliptically polarized nondirectional Dielectric model TFU-13JTH/VP-R O4 (35 percent vertical polarization). The horizontally polarized ERP is 117 kW and the vertically polarized ERP is 41 kW.

A map is supplied as Figure 1 which depicts the standard predicted coverage contours. This map includes the location of Roanoke Rapids, WUNP-TV’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1) as the entire principal community will be encompassed by the 48 dB $\mu$  contour.

The proposed noise limited service contour (“NLSC”) extends beyond that of the *CCRPN* parameters of 104 kW ERP and 365 meters HAAT.<sup>1</sup> The proposal complies with §73.3700(b)(ii) as described in the following.

WUNP-TV’s reassignment facility experiences a loss of interference-free coverage area within the NLSC when compared to that of its baseline<sup>2</sup> pre-auction facility. Detailed analysis shows that an area of 167.8 square kilometers having a population of 2,688 persons which received interference-free service from the baseline WUNP-TV facility does not receive interference-free service from the reassignment parameters. A map is supplied as Figure 2 which shows the interference-free results for the *CCRPN* parameters and the baseline interference-free individual cells that are lost at reassignment. Therefore, WUNP-TV qualifies under §73.3700(b)(ii)(A) for a contour extension due the loss of interference-free coverage area resulting from the new channel assignment.

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 reassessments as required by §73.616. The interference study output report is provided as Table 1. This satisfies §73.3700(b)(ii)(C) for the proposed NLSC extension.

The amount of NLSC extension does not exceed one percent in any direction. Figure 3 supplies a coverage contour comparison of the proposed WUNP-TV facility to the reassignment facility’s contour and a one percent extension distance of the reassignment facility’s contour.

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<sup>1</sup>The antenna height above ground is decreased by 0.5 meters from the licensed value. The proposed WUNP-TV antenna HAAT is recalculated to be 363.4 meters, based on FCC 30 meter terrain data developed by OET.

<sup>2</sup>“Final Digital Television Baseline Coverage Area And Population Served Information Related To Incentive Auction Repacking,” DA 15-1296, Public Notice, Released November 12, 2015.

<sup>3</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 (“OET-69”). 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 FCCs implementation of TVStudy show excellent correlation.

Here, the contour level is adjusted with the dipole factor to match FCC application processing. Table 1's results also demonstrate that the proposed contour is within the baseline contour plus one percent. Therefore the proposed contour extension complies with §73.3700(b)(ii)(B).

The proposed WUNP-TV facility's terrain-limited population provides a 103.7 percent match of the CCRPN baseline facility, as detailed in the following table. The OET Bulletin 69 report summary in Table 1 also concludes that the proposed service area population is more than 95 percent of the baseline population.

**Terrain Limited Population - Match of Reassignment**

Population Summary (2010 Census) OET Bulletin 69: TVStudy	Reassignment Parameters	Proposed
Within Noise Limited Contour	1,018,493	1,061,980
Not affected by terrain losses	1,014,854	1,052,785
Match of Reassignment	---	<b>103.74%</b>

The nearest FCC monitoring station is 331 km distant at Laurel, MD. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). There are no authorized AM stations within 3 kilometers of the site. The site location is beyond the border areas requiring international coordination.

### **Human Exposure to Radiofrequency Electromagnetic Field**

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 less than 10 percent relative field at angles 15 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  $0.6 \mu\text{W}/\text{cm}^2$ , which is 0.1 percent of the general population/uncontrolled maximum permitted exposure limit. This is well 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.

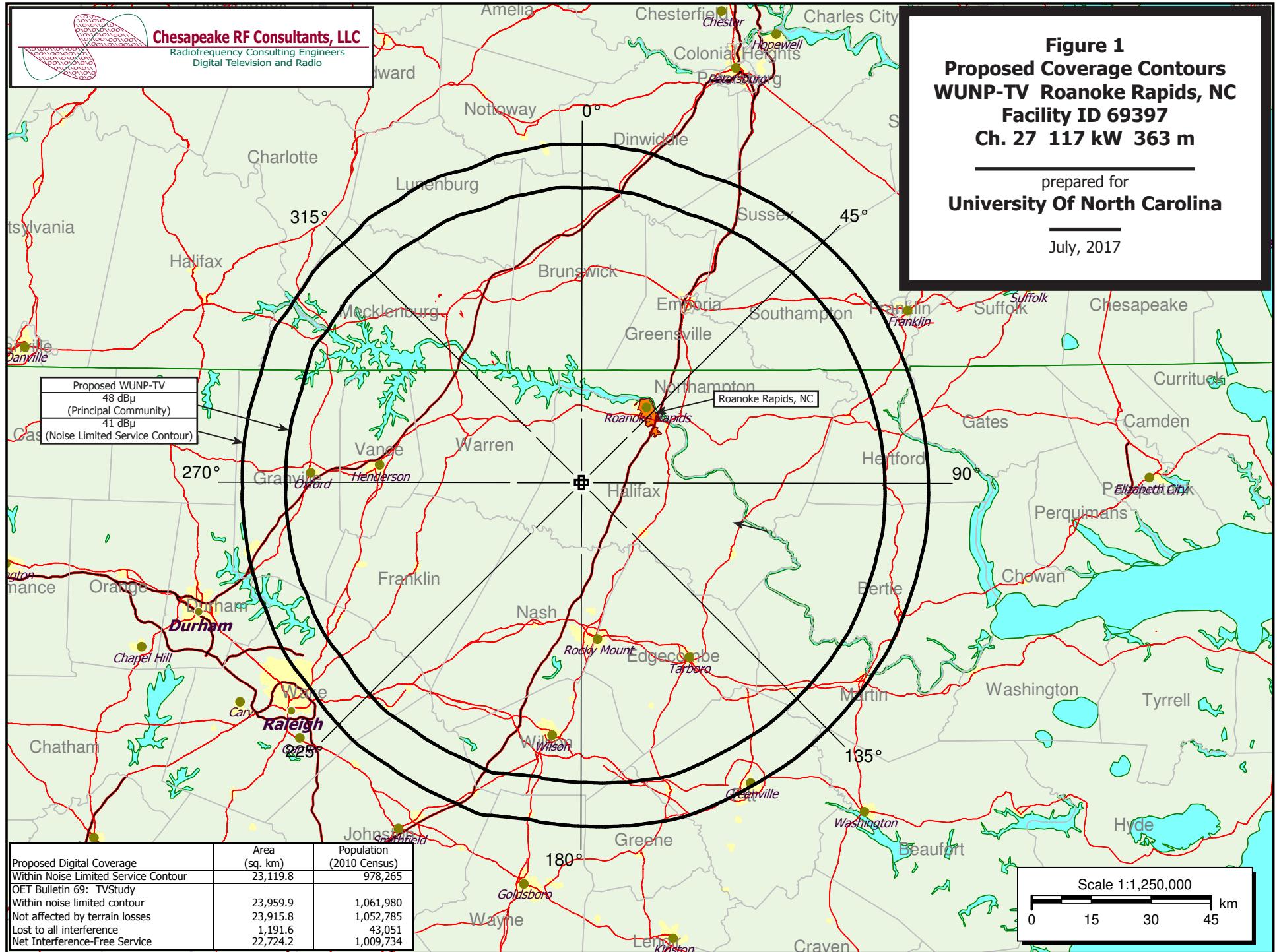
The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power 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 exhibit is limited to the evaluation of exposure to RF electromagnetic field.

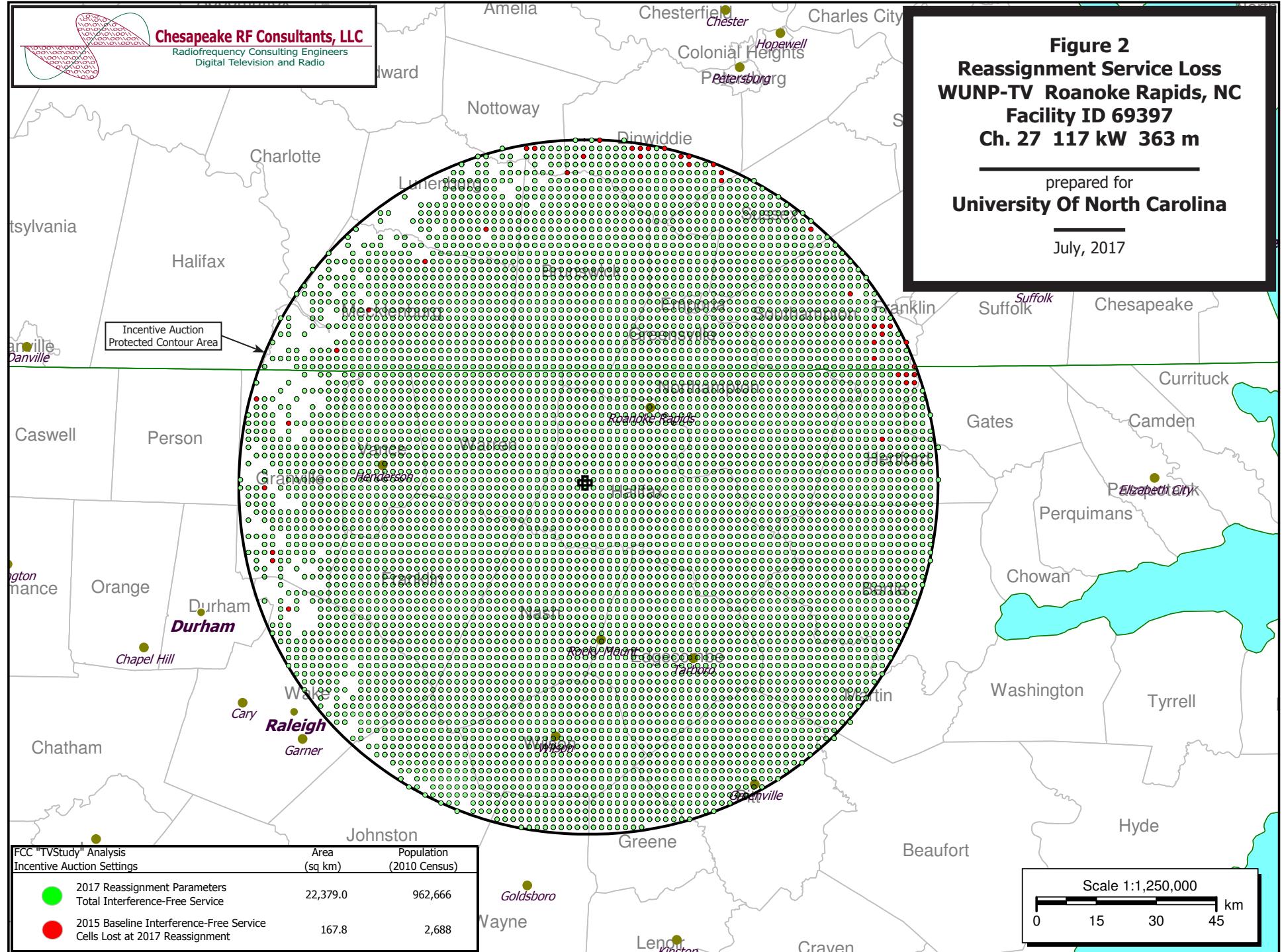
*List of Attachments*

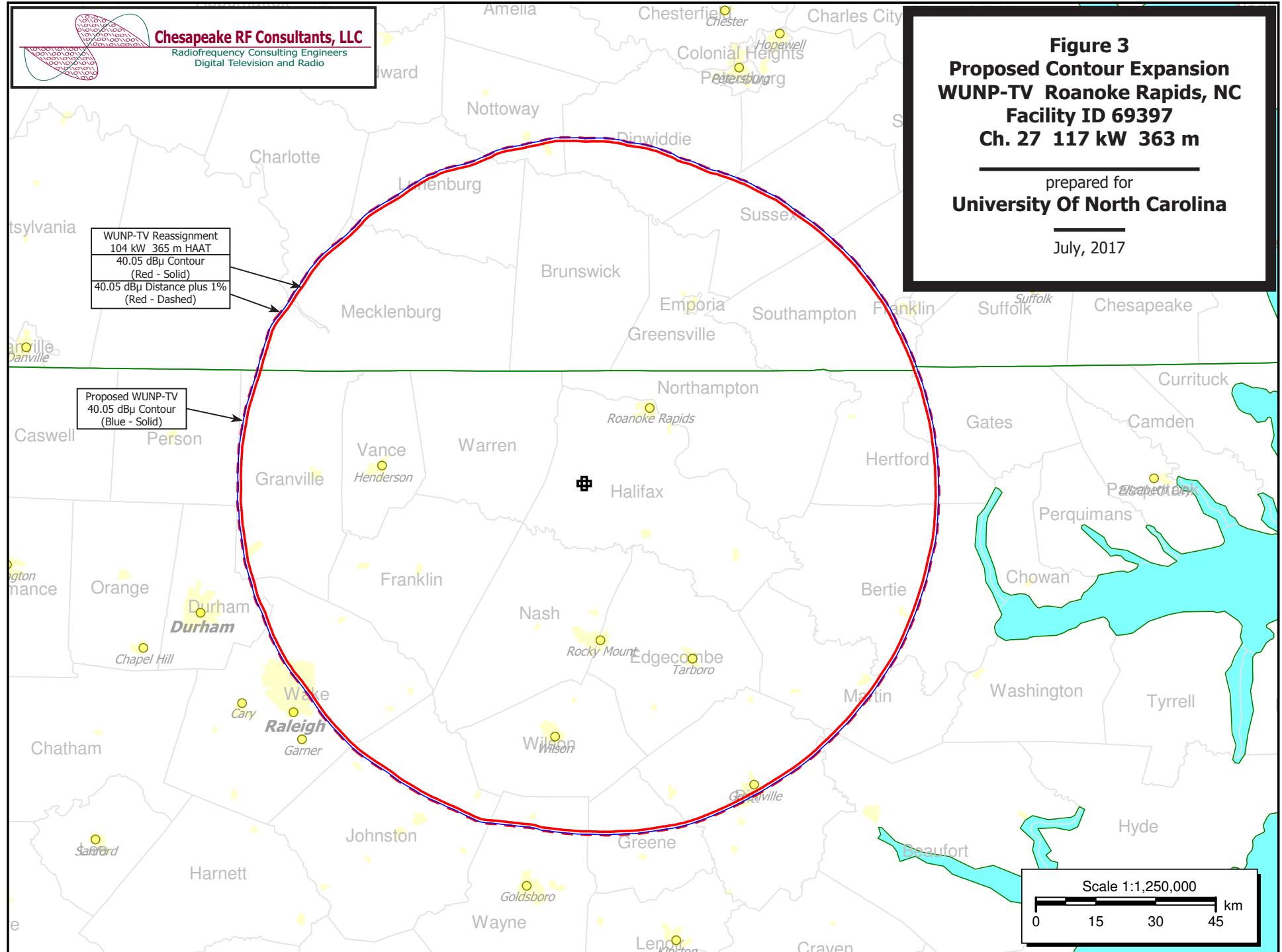
- |           |   |
|-----------|---|
| Figure 1  | Proposed Coverage Contours  |
| Figure 2  | Reassignment Service Loss   |
| Figure 3  | Proposed Contour Expansion  |
| Table 1   | OET Bulletin 69 Interference Study                                    |
| Form 2100 | Saved Version of Engineering Sections from FCC Form at Time of Upload |

**Chesapeake RF Consultants, LLC**

Joseph M. Davis, P.E.      July 4, 2017  
207 Old Dominion Road      Yorktown, VA 23692      703-650-9600







**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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tvstudy v2.2.2  
Database: localhost, Study: WUNP-TV 117KW, Model: Longley-Rice  
Start: 2017.07.04 11:40:13

Study created: 2017.07.04 11:40:03

Study build station data: LMS TV 2017-07-03 LMSTV

Proposal: WUNP-TV D27 DT APP ROANOKE RAPIDS, NC  
File number: WUNP-TV 117KW  
Facility ID: 69397  
Station data: User record  
Record ID: 753  
Country: U.S.  
Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	163.1 km
WWMB	D26	DT	BL	FLORENCE, SC	DTVBL133	253.2
WHTJ	D26	DT	BL	CHARLOTTEVILLE, VA	DTVBL9990	196.6
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	353.9
WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	316.4
WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	253.2
WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	146.7
WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	146.7
WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	229.7
WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	184.7
WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	139.4
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	137.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27  
Latitude: 36 17 29.20 N (NAD83)  
Longitude: 77 50 9.40 W  
Height AMSL: 429.1 m  
HAAT: 363.4 m  
Peak ERP: 117 kW  
Antenna: Omnidirectional

40.0 dBu contour:  

Azimuth	ERP	HAAT	Distance
0.0 deg	117 kW	351.2 m	86.3 km
45.0	117	358.9	87.0
90.0	117	377.4	88.5
135.0	117	382.6	88.9
180.0	117	366.7	87.7
225.0	117	365.9	87.6
270.0	117	354.4	86.6
315.0	117	350.1	86.2

Proposal service area is within baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 705.1 km

Distance to Mexican border: 2141.5 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 15.3 degrees Distance: 331.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 288.5 degrees Distance: 2419.8 km



**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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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 DTVBL65074 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL65074 BL, scenario 2  
Proposal causes no interference.

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Interference to DTVBL65074 BL, scenario 3  
Proposal causes no interference.

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Interference to DTVBL65074 BL, scenario 4  
Proposal causes no interference.

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Interference to DTVBL3133 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL3133 BL, scenario 2  
Proposal causes no interference.

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Interference to DTVBL9990 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL9990 BL, scenario 2  
Proposal causes no interference.

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Interference to DTVBL9990 BL, scenario 3  
Proposal causes no interference.

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Interference to DTVBL9990 BL, scenario 4  
Proposal causes no interference.

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Interference to DTVBL59442 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442		
Undesireds:	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931	160.9
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206	275.9
	WTAP-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	288.9
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	276.2
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	387.6
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	144.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	0.00	0.00
Undesired	Total	IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93			
WUNP-TV D27 DT APP	8.1	93			8.1	93	

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Interference to DTVBL59442 BL, scenario 2						
Desired:	Call WMAR-TV	Chan D27	Svc DT	Status BL	City, State BALTIMORE, MD	File Number DTVBL59442
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		



Interference to DTVBL59442 BL, scenario 3						
Desired:	Call WMAR-TV	Chan D27	Svc DT	Status BL	City, State BALTIMORE, MD	File Number DTVBL59442
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		

Interference to DTVBL59442 BL, scenario 4						
Desired:	Call WMAR-TV	Chan D27	Svc DT	Status BL	City, State BALTIMORE, MD	File Number DTVBL59442
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		

Interference to DTVBL59442 BL, scenario 5						
Desired:	Call WMAR-TV	Chan D27	Svc DT	Status BL	City, State BALTIMORE, MD	File Number DTVBL59442
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	BLANK0000025319
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		

Interference to DTVBL59442 BL, scenario 6						
Desired:	Call WMAR-TV	Chan D27	Svc DT	Status BL	City, State BALTIMORE, MD	File Number DTVBL59442
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000024931
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	BLANK0000025319
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153
Service area	Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0 8,944,843
Undesired	Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	8.1	93	8.1	93		
WUNP-TV D27 DT APP	8.1	93	8.1	93		
WBFF D26 DT BL	20.0	40,687	20.0	40,687		
WAZW-CD D26 DC BL	11.9	198	11.9	198		
WPSJ-CD D27 DC CP	43.9	32,013	12.0	8,769		
WIVT D27 DT BL	24.2	14,592	12.1	4,299		
WNYW D27 DT BL	80.6	32,088	56.4	11,612		
WPXR-TV D27 DT BL	4.0	788	4.0	788		
WCAU D28 DT BL	244.0	64,567	204.0	37,741		

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7
	WPSJ-CD	D27	DC	BL	HAMMONTON, NJ	DTVBL167543	160.9
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206	308.8
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	275.9
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	288.9
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	276.2
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	387.6
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93		
	WUNP-TV D27 DT APP	8.1	93	8.1	93		
	WBFF D26 DT BL	20.0	40,687	20.0	40,687		
	WAZW-CD D26 DC BL	11.9	198	11.9	198		
	WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769		
	WIVT D27 DT BL	24.2	14,592	12.1	4,299		
	WNYW D27 DT BL	80.6	32,088	56.4	11,612		
	WTAE-TV D27 DT BL	4.0	788	4.0	788		
	WCAU D28 DT BL	244.0	64,567	204.0	37,741		
Service area	Terrain-limited		IX-free, before				
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843
						Percent New IX	
						0.00	0.00
Undesired	Total IX		Unique IX, before				
	WUNP-TV D27 DT BL	8.1	93	8.1	93</td		

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Service area									
Terrain-limited				IX-free, before				IX-free, after	
WPSJ-CD D27 DC CP HAMMONTON, NJ				BLANK0000024931 160.9				Percent New IX	
WIVT	D27	DT	BL	BINGHAMTON, NY				28635.0 8,944,843	
WNYW	D27	DT	BL	NEW YORK, NY				28635.0 8,944,843	
WTAE-TV	D27	DT	BL	PITTSBURGH, PA				28635.0 8,944,843	
WJGN-CD	D27	DC	BL	CHESAPEAKE, VA				28635.0 8,944,843	
WPXR-TV	D27	DT	BL	ROANOKE, VA				28635.0 8,944,843	
WCAU	D28	DT	BL	PHILADELPHIA, PA				28635.0 8,944,843	
Undesired									
Total IX				Unique IX, before				Unique IX, after	
WUNP-TV	D27	DT	BL	8.1	93	8.1	93		
WUNP-TV	D27	DT	APP	8.1	93	8.1	93		
WBFF	D26	DT	BL	20.0	40,687	20.0	40,687		
WAZW-CD	D26	DC	BL	11.9	198	11.9	198		
WPSJ-CD	D27	DC	CP	43.9	32,013	12.0	8,769		
WIVT	D27	DT	BL	24.2	14,592	12.1	4,299		
WNYW	D27	DT	BL	80.6	32,088	56.4	11,612		
WPXR-TV	D27	DT	BL	4.0	788	4.0	788		
WCAU	D28	DT	BL	244.0	64,567	204.0	37,741		

**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843

Undesired	Total IX	IX	Unique IX, before	Unique IX, after	IX	Unique IX, before	Unique IX, after
WUNP-TV	D27	DT	BL	8.1	93	8.1	93
WUNP-TV	D27	DT	APP	8.1	93	8.1	93
WBFF	D26	DT	BL	20.0	40,687	20.0	40,687
WAZW-CD	D26	DC	BL	11.9	198	11.9	198
WPSJ-CD	D27	DC	CP	43.9	32,013	12.0	8,769
WIVT	D27	DT	BL	24.2	14,592	12.1	4,299
WNYW	D27	DT	BL	80.6	32,088	56.4	11,612
WPXR-TV	D27	DT	BL	4.0	788	4.0	788
WCAU	D28	DT	BL	244.0	64,567	204.0	37,741

Interference to DTVBL59442 BL, scenario 13

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442		

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km	
WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9	
WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2	
WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3	
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0	
WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7	
WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	WPSJ-CD D27 DC CP	160.9	
WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8	
WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22026	275.9	
WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WTAE-TV D27 DT BL	288.9	
WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	WJGN-CD D27 DC CP	276.2	
WPXR-TV	D27	DT	BL	ROANOKE, VA	WPXR-TV D27 DT BL	387.6	
WCAU	D28	DT	BL	PHILADELPHIA, PA	WCAU D28 DT BL	144.3	

Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843

Undesired	Total IX	IX	Unique IX, before	Unique IX, after	IX	Unique IX, before	Unique IX, after
WUNP-TV	D27	DT	BL	8.1	93	8.1	93
WUNP-TV	D27	DT	APP	8.1	93	8.1	93
WBFF	D26	DT	BL	20.0	40,687	20.0	40,687
WAZW-CD	D26	DC	BL	11.9	198	11.9	198
WPSJ-CD	D27	DC	CP	43.9	32,013	12.0	8,769
WIVT	D27	DT	BL	24.2	14,592	12.1	4,299
WNYW	D27	DT	BL	80.6	32,088	56.4	11,612
WPXR-TV	D27	DT	BL	4.0	788	4.0	788
WCAU	D28	DT	BL	244.0	64,567	204.0	37,741

Interference to DTVBL59442 BL, scenario 14

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442		

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km	
WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9	
WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2	
WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3	
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0	
WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7	
WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	WPSJ-CD D27 DC CP	160.9	
WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8	
WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22026	275.9	
WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WTAE-TV D27 DT BL	288.9	
WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	WJGN-CD D27 DC BL	276.2	
WPXR-TV	D27	DT	BL	ROANOKE, VA	WPXR-TV D27 DT BL	387.6	
WCAU	D28	DT	BL	PHILADELPHIA, PA	WCAU D28 DT BL	144.3	

Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Undesired		Total IX	Unique IX, before	Unique IX, after	
WUNP-TV	D27 DT BL	8.1	93	8.1	93
WUNP-TV	D27 DT APP	8.1	93	8.1	93
WBFF	D26 DT BL	20.0	40,687	20.0	40,687
WAZW-CD	D26 DC BL	11.9	198	11.9	198
WPSJ-CD	D27 DC BL	43.9	32,013	12.0	8,769
WIVT	D27 DT BL	24.2	14,592	12.1	4,299
WNYW	D27 DT BL	80.6	32,088	56.4	11,612
WPXR-TV	D27 DT BL	4.0	788	4.0	788
WCAU	D28 DT BL	244.0	64,567	204.0	37,741

Interference to DTVBL59442 BL, scenario 15

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7
	WPSJ-CD	D27	DC	BL	HAMMONT, NJ	DTVBL167543	160.9
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206	275.9
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	288.9
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	276.2
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	387.6
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	144.3
Service area		Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843

Interference to DTVBL59442 BL, scenario 16

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	353.9
	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	0.2
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	165.3
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	191.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	150.7
	WPSJ-CD	D27	DC	BL	HAMMONT, NJ	DTVBL167543	160.9
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	308.8
	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206	275.9
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	288.9
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	276.2
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	387.6
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	144.3
Service area		Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
29757.0	9,202,060	29015.7	9,086,149	28635.0	8,944,843	28635.0	8,944,843

Undesired Total IX Unique IX, before Unique IX, after

WUNP-TV	D27 DT BL	8.1	93	8.1	93
WUNP-TV	D27 DT APP	8.1	93	8.1	93
WBFF	D26 DT BL	20.0	40,687	20.0	40,687

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**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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WAZW-CD	D26 DC BL	11.9	198	11.9	198	11.9	198
WPSJ-CD	D27 DC BL	43.9	32,013	12.0	8,769	12.0	8,769
WIVT	D27 DT BL	24.2	14,592	12.1	4,299	12.1	4,299
WNYW	D27 DT BL	80.6	32,088	56.4	11,612	56.4	11,612
WPXR-TV	D27 DT BL	4.0	788	4.0	788	4.0	788
WCAU	D28 DT BL	244.0	64,567	204.0	37,741	204.0	37,741

Interference to DTVBL70097 BL, scenario 1  
Proposal causes no interference.

Interference to DTVBL70097 BL, scenario 2  
Proposal causes no interference.

Interference to DTVBL17012 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	253.1 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	253.2
	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	0.0
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	352.1
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	386.2
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	322.9
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	172.7
	WUNN-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	199.7
Service area		Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
40182.3	1,764,424	40034.6	1,760,632	39885.9	1,754,965	39873.9	1,754,917

Undesired Total IX Unique IX, before Unique IX, after

WUNP-TV	D27 DT BL	84.4	4,378	48.2	2,768
WUNP-TV	D27 DT APP	100.4	4,449	60.1	2,816
WGTB-CD	D27 DC BL	27.7	455	19.8	453
WPXR-TV	D27 DT BL	20.1	82	4.1	8
WMVY	D28 DT BL	64.7	2,420	40.4	828

Interference to DTVBL17012 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	
Undesireds:	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	DTVBL69397	253.1 km
	WUNP-TV	D27	DT	BL	WUNP-TV 117KW	253.2	
	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	0.0
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	352.1
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	386.2
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	322.9
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	172.7
	WUNN-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	199.7
Service area		Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
40182.3	1,764,424	40034.6	1,760,632	39885.9	1,754,965	39873.9	1,754,917

Undesired Total IX Unique IX, before Unique IX, after

WUNP-TV	D27 DT BL	84.4	4,378	48.2	2,768
WUNP-TV	D27 DT APP	100.4	4,449	60.1	2,816
WGTB-CD	D27 DC BL	27.7	455	19.8	453
WPXR-TV	D27 DT BL	20.1	82	4.1	8
WMVY	D28 DT BL	64.7	2,420	40.4	828

Interference to DTVBL17012 BL, scenario 3

Desired: Call Chan Svc Status City, State File Number Distance

Desired:	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	
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**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Service area										Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40182.3	1,764,424	40034.6	1,760,632	39885.9	1,754,965	39873.9	1,754,917	0.03	0.00								
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	253.1 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	253.2										
	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	0.0										
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	352.1										
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8										
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	386.2										
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	322.9										
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	172.7										
	WUNN-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	199.7										
Service area																	
40182.3	1,764,424	40034.6	1,760,632	39885.9	1,754,965	39873.9	1,754,917	0.03	0.00								
Undesired	Total IX				Unique IX, before					Unique IX, after							
WUNP-TV D27 DT BL	84.4				4,378	48.2			2,768								
WUNP-TV D27 DT APP	100.4				4,449				60.1	2,816							
WGTB-CD D27 DC BL	27.7				455	19.8			453	19.8	453						
WPXR-TV D27 DT BL	20.1				82	4.1			8	4.1	8						
WMVY D28 DT BL	64.7				2,420	40.4			828	36.4	805						
Interference to DTVBL17012 BL, scenario 4																	
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance										
WPDE-TV	D27	DT	BL		FLORENCE, SC	DTVBL17012											
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	253.1 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	253.2										
	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	0.0										
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	352.1										
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8										
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	386.2										
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	322.9										
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	172.7										
	WUNN-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	199.7										
Service area					Terrain-limited												
40182.3	1,764,424	40034.6	1,760,632	39885.9	1,754,965	39873.9	1,754,917	0.03	0.00								
Undesired	Total IX				Unique IX, before					Unique IX, after							
WUNP-TV D27 DT BL	84.4				4,378	48.2			2,768								
WUNP-TV D27 DT APP	100.4				4,449				60.1	2,816							
WGTB-CD D27 DC BL	27.7				455	19.8			453	19.8	453						
WPXR-TV D27 DT BL	20.1				82	4.1			8	4.1	8						
WMVY D28 DT BL	64.7				2,420	40.4			828	36.4	805						
Interference to BLANK0000025319 CP, scenario 1																	
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance										
WJGN-CD	D27	DC	CP		CHESAPEAKE, VA	BLANK0000025319											
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	146.7 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	146.7										
	WWMB	D27	DT	BL	BALTIMORE, MD	DTVBL59442	276.2										
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	339.5										
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	132.1										
Service area					Terrain-limited												
6048.1	1,503,807	6048.1	1,503,807	6024.3	1,503,366	6020.3	1,503,155	0.07	0.01								
Undesired	Total IX				Unique IX, before					Unique IX, after							
WUNP-TV D27 DT BL	23.8				441	23.8			441	23.8	441						
WUNP-TV D27 DT APP	27.8				652				27.8	652							
Interference to BLANK0000025319 CP, scenario 2																	
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance										
WJGN-CD	D27	DC	CP		CHESAPEAKE, VA	BLANK0000025319											
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	146.7 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	146.7										
Service area					Terrain-limited												
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246	0.10	0.09								



**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Service area										Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
6048.1	1,503,807	6048.1	1,503,807	6024.3	1,503,366	6020.3	1,503,155	0.07	0.01								
Undesired	Total IX				Unique IX, before					Unique IX, after							
WUNP-TV D27 DT BL	23.8				441	23.8			441	23.8	441						
WUNP-TV D27 DT APP	27.8				652				27.8	652							
Interference to DTVBL66549 BL, scenario 1																	
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance										
WJGN-CD	D27	DC	BL		CHESAPEAKE, VA	DTVBL66549											
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	146.7 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	146.7										
	WWMB	D27	DT	BL	BALTIMORE, MD	DTVBL59442	276.2										
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	339.5										
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	132.1										
Service area					Terrain-limited												
6048.1	1,503,807	6048.1	1,503,807	6024.3	1,503,366	6020.3	1,503,155	0.07	0.01								
Undesired	Total IX				Unique IX, before					Unique IX, after							
WUNP-TV D27 DT BL	23.8				441	23.8			441	23.8	441						
WUNP-TV D27 DT APP	27.8				652				27.8	652							
Interference to DTVBL70251 BL, scenario 1																	
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance										
WPXR-TV	D27	DT	BL		ROANOKE, VA	DTVBL70251											
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	146.7 km										
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	146.7										
	WWMB	D27	DT	BL	BURLINGTON, NC	DTVBL65074	229.8 km										
	WPXR-TV	D26	DT	BL	LEXINGTON, KY	DTVBL65074	114.2										
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5										
	WTVO-QT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	384.6										
	WWMB	D27	DT	BL	BALTIMORE, MD	DTVBL59442	387.6										
	WUNP	D27	DT	LIC	CANTON, NC	BLANK0000025319	305.3										
	WGRB-CD	D27	DC	BL	CHARLOTTE, NC	BLEDT20110921AAA	339.5										
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74416	393.6										
	WTAB-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	344.4										
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	322.9										
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.5										
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	150.4										
	WEWT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	192.3										
Service area					Terrain-limited												
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246	0.10	0.09								



**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Undesired		Total IX	Unique IX, before	Unique IX, after
WUNP-TV	D27 DT BL	446.5	12,988	358.9
WUNP-TV	D27 DT APP	486.3	14,389	10,572
WGFX-TV	D26 DT BL	107.5	2,622	23.9
WTVO-DT	D27 DT BL	23.9	1,546	15.9
WMAR-TV	D27 DT BL	23.9	518	8.0
WTTE	D27 DT BL	27.8	235	15.9
WTAE-TV	D27 DT CP	11.9	255	4.0
WPDE-TV	D27 DT BL	119.5	2,844	27.9
WMVY	D28 DT BL	151.3	4,338	71.7
				2,244

Interference to DTVBL70251 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	384.6
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTAE-TV D27 DT CP	387.6
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	305.3
	WGFB-CD	D27	DC	BL	CHARLOTTE, NC	WTTE D27 DT BL	305.3
	WTTE	D27	DT	BL	COLUMBUS, OH	WPDE-TV D27 DT BL	322.3
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	WMVY D28 DT BL	339.5
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEWT D28 DT BL	150.4
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	WEMT D28 DT BL	192.3
	WJGN-CD	D27	DC	BL	GREENSBORO, NC		
	WMVY	D28	DT	BL	GREENEVILLE, TN		
	WEWT	D28	DT	BL			
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
				0.10	0.09		
Undesired	Total IX	Unique IX, before	Unique IX, after				
WUNP-TV	D27 DT BL	446.5	12,988	358.9	10,572		
WUNP-TV	D27 DT APP	486.3	14,389	386.7	11,570		
WGFX-TV	D26 DT BL	107.5	2,622	23.9	2,622	23.9	390
WTVO-DT	D27 DT BL	23.9	1,546	15.9	1,546	15.9	1,312
WMAR-TV	D27 DT BL	23.9	518	8.0	518	8.0	35
WTTE	D27 DT BL	27.8	235	15.9	235	15.9	177
WTAE-TV	D27 DT CP	11.9	255	4.0	21	4.0	21
WPDE-TV	D27 DT BL	119.5	2,844	433	27.9	433	433
WMVY	D28 DT BL	151.3	4,338	71.7	2,244	71.7	2,244

Interference to DTVBL70251 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT D27 DT BL	384.6
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTTE D27 DT BL	387.6
	WUNW	D27	DT	LIC	CANTON, NC	WTAE-TV D27 DT CP	305.3
	WGFB-CD	D27	DC	BL	CHARLOTTE, NC	WPDE-TV D27 DT BL	322.3
	WTTE	D27	DT	BL	COLUMBUS, OH	WMVY D28 DT BL	339.5
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	WEWT D28 DT BL	150.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEMT D28 DT BL	192.3
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA		
	WMVY	D28	DT	BL	GREENSBORO, NC		
	WEWT	D28	DT	BL	GREENEVILLE, TN		
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
				0.10	0.09		
Undesired	Total IX	Unique IX, before	Unique IX, after				
WUNP-TV	D27 DT BL	446.5	12,988	358.9	10,572		

**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Undesired	Call	Chan	Svc	Status	City, State	File Number	Distance
WUNP-TV	D27 DT BL	446.5	12,988	358.9	10,572	386.7	11,570
WUNP-TV	D27 DT APP	486.3	14,389	386.7	11,570	386.7	11,570
WGFX-TV	D26 DT BL	107.5	2,622	23.9	2,622	23.9	390
WTVO-DT	D27 DT BL	23.9	1,546	15.9	1,546	15.9	1,312
WMAR-TV	D27 DT BL	23.9	518	8.0	518	8.0	35
WTTE	D27 DT BL	27.8	235	15.9	235	15.9	177
WTAE-TV	D27 DT CP	11.9	255	4.0	117	4.0	21
WPDE-TV	D27 DT BL	119.5	2,844	433	27.9	433	433
WMVY	D28 DT BL	151.3	4,338	71.7	2,244	71.7	2,244

Interference to DTVBL70251 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT D27 DT BL	384.6
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTTE D27 DT BL	387.6
	WUNW	D27	DT	LIC	CANTON, NC	WTAE-TV D27 DT CP	305.3
	WGFB-CD	D27	DC	BL	CHARLOTTE, NC	WPDE-TV D27 DT BL	322.3
	WTTE	D27	DT	BL	COLUMBUS, OH	WMVY D28 DT BL	339.5
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WEWT D28 DT BL	150.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEMT D28 DT BL	192.3
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA		
	WMVY	D28	DT	BL	GREENSBORO, NC		
	WEWT	D28	DT	BL	GREENEVILLE, TN		
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
				0.10	0.09		
Undesired	Total IX	Unique IX, before	Unique IX, after				
WUNP-TV	D27 DT BL	446.5	12,988	358.9	10,572		

Interference to DTVBL70251 BL, scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT D27 DT BL	384.6
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTTE D27 DT BL	387.6
	WUNW	D27	DT	LIC	CANTON, NC	WTAE-TV D27 DT CP	305.3
	WGFB-CD	D27	DC	BL	CHARLOTTE, NC	WPDE-TV D27 DT BL	322.3
	WTTE	D27	DT	BL	COLUMBUS, OH	WMVY D28 DT BL	339.5
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WEWT D28 DT BL	150.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEMT D28 DT BL	192.3
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA		
	WMVY	D28	DT	BL	GREENSBORO, NC		
	WEWT	D28	DT	BL	GREENEVILLE, TN		
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
				0.10	0.09		
Undesired	Total IX	Unique IX, before	Unique IX, after				
WUNP-TV	D27 DT BL	446.5	12,988	358.9	10,572		

**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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WUNP-TV D27 DT APP	486.3	14,389		386.7	11,570
WGFX-TV D26 DT BL	107.5	2,622	23.9	390	390
WTVO-DT D27 DT BL	23.9	1,546	15.9	1,312	15.9
WMAR-TV D27 DT BL	23.9	518	8.0	35	4.0
WTVO-DT D27 DT BL	27.8	235	15.9	177	177
WTTE D27 DT BL	11.9	255	4.0	21	4.0
WPDE-TV D27 DT BL	119.5	2,844	27.9	433	27.9
WMVY D28 DT BL	151.3	4,338	71.7	2,244	71.7

Interference to DTVBL70251 BL, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTEVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT	114.2
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTVO-DT	171.5
	WUNP	D27	DT	LIC	CANTON, NC	WTAE-TV	222.3
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	WTAE-TV	322.9
	WTTE	D27	DT	BL	COLUMBUS, OH	WPDE-TV	339.6
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WJGN-CD	339.5
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WMVY	150.4
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	WEWT	192.3
	WMVY	D28	DT	BL	GREENSBORO, NC	WEWT	192.3
	WEMT	D28	DT	BL	GREENEVILLE, TN	WEWT	192.3
Service area							
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
Undesired							
		Total IX	Unique IX, before				
		446.5	12,988	358.9	10,572		
		WUNP-TV D27 DT APP	486.3	14,389		386.7	11,570
		WGFX-TV D26 DT BL	107.5	2,622	23.9	390	390
		WTVO-DT D27 DT BL	23.9	1,546	15.9	1,312	15.9
		WMAR-TV D27 DT BL	23.9	518	8.0	35	4.0
		WTVO-DT D27 DC BL	27.8	235	15.9	177	177
		WTTE D27 DT BL	11.9	255	4.0	21	4.0
		WPDE-TV D27 DT BL	119.5	2,844	27.9	433	27.9
		WMVY D28 DT BL	151.3	4,338	71.7	2,244	71.7
Service area							
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246

Interference to DTVBL70251 BL, scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTEVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT	114.2
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTAE-TV	222.3
	WUNP	D27	DT	LIC	CANTON, NC	WTAE-TV	322.9
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	WPDE-TV	339.5
	WTTE	D27	DT	BL	COLUMBUS, OH	WJGN-CD	150.4
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WMVY	192.3
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEWT	192.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	WEWT	192.3
	WMVY	D28	DT	BL	GREENSBORO, NC	WEWT	192.3
	WEMT	D28	DT	BL	GREENEVILLE, TN	WEWT	192.3
Service area							
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246
Undesired							
		Total IX	Unique IX, before				
		446.5	12,988	358.9	10,572		
		WUNP-TV D27 DT APP	486.3	14,389		386.7	11,570
		WGFX-TV D26 DT BL	107.5	2,622	23.9	390	390
		WTVO-DT D27 DT BL	23.9	1,546	15.9	1,312	15.9
		WMAR-TV D27 DT BL	23.9	518	8.0	35	4.0
		WTVO-DT D27 DC BL	27.8	235	15.9	177	177
		WTTE D27 DT BL	11.9	255	4.0	21	4.0
		WPDE-TV D27 DT BL	119.5	2,844	27.9	433	27.9
		WMVY D28 DT BL	151.3	4,338	71.7	2,244	71.7
Service area							
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6	1,126,246

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WMAR-TV D27 DT BL	23.9	518	8.0	35	4.0	35
WGTB-CD D27 DC BL	27.8	235	15.9	177	15.9	177
WTTE D27 DT BL	11.9	255	4.0	21	4.0	21
WPDE-TV D27 DT BL	119.5	2,844	27.9	433	27.9	433
WMVY D28 DT BL	151.3	4,338	71.7	2,244	71.7	2,244

Interference to DTVBL70251 BL, scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	229.7
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
	WHTJ	D26	DT	BL	CHARLOTTEVILLE, VA	DTVBL9990	171.5
	WTVO-DT	D27	DT	BL	LEXINGTON, KY	WTVO-DT	114.2
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	WTAE-TV	387.6
	WUNP	D27	DT	LIC	CANTON, NC	WTAE-TV	387.6
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	WPDE-TV	387.6
	WTTE	D27	DT	BL	COLUMBUS, OH	WJGN-CD	387.6
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	WMVY	387.6
	WPDE-TV	D27	DT	BL	FLORENCE, SC	WEWT	387.6
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	WEWT	387.6
	WMVY	D28	DT	BL	GREENSBORO, NC	WEWT	387.6
	WEMT	D28	DT	BL	GREENEVILLE, TN	WEWT	387.6

Service area	Terrain-limited	IX-free, before	IX-free, after	IX-free, before	IX-free, after	Percent New IX
35636.6	1,298,767	29991.7	1,146,358	29302.5	1,127,244	29274.6

Undesired	Total IX	Unique IX, before	Unique IX, before	Unique IX, after
WUNP-TV D27 DT BL	446.5	12,988	358.9	10,572
WUNP-TV D27 DT APP	486.3	14,389	386.7	11,570
WGFX-TV D26 DT BL	107.5	2,622	23.9	390
WTVO-DT D27 DT BL	23.9	1,546	15.9	1,312
WMAR-TV D27 DT BL	23.9	518	8.0	35
WTVO-DT D27 DC BL	27.8	235	15.9	177
WTTE D27 DT BL	11.9	255	4.0	21
WPDE-TV D27 DT BL	119.5	2,844	27.9	433
WMVY D28 DT BL	151.3	4,338	71.7	2,244

Interference to DTBVL25544 BL, scenario 1

Proposal causes no interference.

Interference to DTBVL25544 BL, scenario 3

Proposal causes no interference.

Interference to DTBVL25544 BL, scenario 4

Proposal causes no interference.

Interference to DTBVL69444 BL, scenario 1

Proposal causes no interference.

Interference to DTBVL69444 BL, scenario 2

Proposal causes no interference.

Interference to DTBVL69444 BL, scenario 3

Proposal causes no interference.

Interference to DTBVL69444 BL, scenario 4

Proposal causes no interference.

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Interference to DTVBL69444 BL, scenario 5  
Proposal causes no interference.

Interference to DTVBL69444 BL, scenario 6  
Proposal causes no interference.

Interference to DTVBL69444 BL, scenario 7  
Proposal causes no interference.

Interference to DTVBL69444 BL, scenario 8  
Proposal causes no interference.

Interference to DTVBL74416 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0
	WCWV	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC CP	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC CP	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	

Interference to DTVBL74416 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0
	WCWV	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC BL	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC BL	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	

Interference to DTVBL74416 BL, scenario 3



**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0
	WCWV	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC CP	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	
Service area		Terrain-limited	IX-free, before	IX-free, after			
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired		Total IX	Unique IX, before	Unique IX, after			
WUNP-TV D27 DT BL	63.6	267	47.7	196			
WUNP-TV D27 DT APP	75.6	311		59.7	240		
WJGN-CD D27 DC BL	24.0	840	24.0	840			
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0		
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	



**Table 1 WUNP-TV OET Bulletin 69 Interference Study**  
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WJGN-CD D27 DC CP							
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0.0	0	
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	

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Interference to DTVBL74416 BL, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416		
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0
	WCWV	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired	Total IX		Unique IX, before		Unique IX, after		
WUNP-TV D27 DT BL	63.6	267	47.7	196	59.7	240	
WUNP-TV D27 DT APP	75.6	311			24.0		
WJGN-CD D27 DC BL	24.0	840	24.0	840	24.0	840	
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0.0	0	
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	

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Interference to DTVBL74416 BL, scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416		
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0
	WCWV	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7	1,933,078
Undesired	Total IX		Unique IX, before		Unique IX, after		
WUNP-TV D27 DT BL	63.6	267	47.7	196	59.7	240	
WUNP-TV D27 DT APP	75.6	311			24.0		
WJGN-CD D27 DC CP	24.0	840	24.0	840	24.0	840	
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635	
WUNM-TV D28 DT BL	4.0	11	0.0	0	0.0	0	
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562	

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Interference to DTVBL74416 BL, scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416		
Undesireds:	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	137.4 km
	WUNP-TV	D27	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW	137.3
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	132.1
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	269.5
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	268.7
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	371.4
	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	347.9
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	197.0

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WCVW	D29	DT	BL	RICHMOND, VA	DTVBL9989	0.0
Service area	Terrain-limited		IX-free, before		IX-free, after	
32102.7	1,996,265	31619.0	1,939,426	31291.6	1,933,122	31279.7
Undesired	Total IX		Unique IX, before		Unique IX, after	

WUNP-TV D27 DT BL	63.6	267	47.7	196	59.7	240
WUNP-TV D27 DT APP	75.6	311			24.0	
WJGN-CD D27 DC BL	24.0	840	24.0	840	24.0	840
WMVY D28 DT BL	195.6	3,706	179.7	3,635	179.7	3,635
WUNM-TV D28 DT BL	4.0	11	0.0	0	0.0	0
WCAU D28 DT BL	60.0	1,562	60.0	1,562	60.0	1,562

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Interference to proposal, scenario 1  
4.09% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WRIC-TV	D28	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW		

Undesireds:	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	163.1 km
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	353.9
	WGTR-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	316.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	253.2
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	146.7
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	229.7
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	184.7
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	139.4
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	137.3

Service area	Terrain-limited		IX-free		Percent IX
23959.9	1,061,980	23915.8	1,052,785	22724.2	1,009,734

Undesired	Total IX		Unique IX		Prct Unique IX
WPDE-TV D27 DT BL	92.4	16,973	72.4	16,735	0.30
WJGN-CD D27 DC CP	75.7	490	67.7	476	0.28
WPXR-TV D27 DT BL	995.4	25,246	967.4	24,945	4.04
WRIC-TV D28 DT BL	64.1	657	56.1	594	0.23

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Interference to proposal, scenario 2  
4.09% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
WRIC-TV	D28	DT	APP	ROANOKE RAPIDS, NC	WUNP-TV 117KW		

Undesireds:	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	163.1 km
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	353.9
	WGTR-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	316.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	253.2
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	DTVBL66549	146.7
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	229.7
	WMVY	D28	DT	BL	GREENSBORO, NC	DTVBL25544	184.7
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	139.4
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	137.3

Service area	Terrain-limited		IX-free		Percent IX
23959.9	1,061,980	23915.8	1,052,785	22724.2	1,009,734

Undesired	Total IX		Unique IX		Prct Unique IX
WPDE-TV D27 DT BL	92.4	16,973	72.4	16,735	0.30
WJGN-CD D27 DC BL	75.7	490	67.7	476	0.28
WPXR-TV D27 DT BL	995.4	25,246	967.4	24,945	4.04
WRIC-TV D28 DT BL	64.1	657	56.1	594	0.23

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Interference to proposal, scenario 3  
4.09% interference

Desired:	Call	Chan	S
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Channel and Facility Information	Section	Question	Response
Proposed Community of License	Facility ID	69397	
	State	North Carolina	
	City	ROANOKE RAPIDS	
	DTV Channel	27	
Facility Type	Facility Type	Noncommercial Educational	
	Station Type	Main	
Zone	Zone	2	

Antenna Location Data	Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes	
	ASR Number	1014576	
Coordinates (NAD83)	Latitude	36° 17' 29.2" N+	
	Longitude	077° 50' 09.4" W-	
	Structure Type	TOWER-A free standing or guyed struct	
	Overall Structure Height	348.4 meters	
	Support Structure Height	339.0 meters	
	Ground Elevation (AMSL)	86.6 meters	
Antenna Data	Height of Radiation Center Above Ground Level	342.5 meters	
	Height of Radiation Center Above Average Terrain	363.4 meters	
	Height of Radiation Center Above Mean Sea Level	429.1 meters	
	Effective Radiated Power	117 kW	

Antenna Technical Data	Section	Question	Response
Antenna Type	Antenna Type	Antenna Type	Non-Directional
		Do you have an Antenna ID?	
		Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	Manufacturer:	DIE
		Model	TFU-13JTH/VP-R O4
		Rotation	
		Electrical Beam Tilt	0.75
		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	

<b>Construction Permit Certifications</b>	<b>Section</b>	<b>Question</b>	<b>Response</b>
	<b>Post-Incentive Auction Expedited Processing</b>	<p>It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.</p> <p>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.</p> <p>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.</p> <p>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.</p>	Yes  No  Yes  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 Section 1.1306 of 47 C.F.R.)	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