

tvstudy v2.2.2
Database: localhost, Study: WPXR-P4, Model: Longley-Rice
Start: 2017.06.05 13:59:54

Study created: 2017.06.05 13:59:46

Study build station data: LMS TV 2017-06-02 (10)

Proposal: WPXR-P4 D27 DT APP ROANOKE, VA
File number: WPXR-P4
Facility ID: 70251
Station data: User record
Record ID: 319
Country: U.S.
Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	256.9 km
WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2
WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
WTVQ-DT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	384.6
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	387.6
WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	305.3
WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	222.4
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8
WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6
WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	344.4
WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	344.4
WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	322.9
WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	339.5
WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	150.4
WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	192.3
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	228.5

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: 37 11 38.00 N (NAD83)
Longitude: 80 9 24.60 W
Height AMSL: 1202.0 m
HAAT: 622.0 m
Peak ERP: 345 kW
Antenna: DIE-TUP-SP4-8S-1 0.0 deg

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	95.5 kW	666.4 m	104.2 km
45.0	183	707.2	111.7
90.0	256	756.0	116.9
135.0	32.9	576.7	91.4
180.0	17.6	370.2	75.1
225.0	95.3	520.2	96.4
270.0	103	699.1	106.2
315.0	102	683.5	105.5

ERP exceeds maximum

ERP: 345 kW ERP maximum: 305 kW

Proposal service area is within baseline plus 1.0%

**Proposal service area population is less than 95.0% of baseline

Distance to Canadian border: 534.0 km

Distance to Mexican border: 2013.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 52.0 degrees Distance: 364.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 286.3 degrees Distance: 2192.6 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%

Interference to DTVBL40619 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL40619 BL, scenario 2

Proposal causes no interference.

Interference to DTVBL65074 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	114.2 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	114.2
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	167.2
	WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	352.2
	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	211.2
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	308.9
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	219.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	323.2
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	167.2
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	163.1

Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
17162.0	1,952,062	16769.3	1,918,800	16556.2	1,900,654	16568.3 1,900,858	-0.07 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	44.1 822	36.1 747	
WPXR-P4 D27 DT APP	32.1 618		24.1 543
WJZY D25 DT BL	4.0 546	0.0 0	0.0 0
WWMB D26 DT BL	152.9 15,632	140.8 12,374	140.8 12,374
WNEH D26 DT BL	20.1 4,526	8.0 792	8.0 792
WHTJ D26 DT BL	16.0 499	4.0 354	4.0 354

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

Interference to DTVBL51597 BL, scenario 1
Proposal causes no interference.

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:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	387.6 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	387.6
	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
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0
	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	275.9
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	288.9
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	276.2
	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	28639.1 8,945,631	-0.01 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	4.0 788	4.0 788	
WPXR-P4 D27 DT APP	0.0 0		0.0 0
WBFF D26 DT BL	20.0 40,687	20.0 40,687	20.0 40,687
WAZW-CD D26 DC BL	11.9 198	11.9 198	11.9 198
WUNP-TV D27 DT BL	8.1 93	8.1 93	8.1 93
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
WCAU D28 DT BL	244.0 64,567	204.0 37,741	204.0 37,741

Interference to DTVBL59442 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	387.6 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	387.6
	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
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	354.0
	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	275.9
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	288.9
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	276.2
	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 28639.1 8,945,631 -0.01 -0.01

			Total IX	Unique IX, before	Unique IX, after
Undesired			788	4.0	788
WPXR-TV D27 DT BL	4.0				
WPXR-P4 D27 DT APP	0.0		0		0.0
WBFF D26 DT BL	20.0	40,687	20.0	40,687	20.0
WAZW-CD D26 DC BL	11.9	198	11.9	198	11.9
WUNP-TV D27 DT BL	8.1	93	8.1	93	8.1
WPSJ-CD D27 DC BL	43.9	32,013	12.0	8,769	12.0
WIVT D27 DT BL	24.2	14,592	12.1	4,299	12.1
WNYW D27 DT BL	80.6	32,088	56.4	11,612	56.4
WCAU D28 DT BL	244.0	64,567	204.0	37,741	204.0

Interference to BLEDT20110921AAA LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	305.3 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	305.3
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	149.1
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	105.1
	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLCDDT20060728AEL	236.1
	WTVQ-DT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	304.3
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	160.3
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	352.1
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDDT20090624ABO	357.6
	WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	121.5

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23303.5	1,109,237	12071.7	570,072	11538.9	536,129	11538.9	536,129	0.00	0.00

Undesired			Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	24.0		2,826	3.9	68
WPXR-P4 D27 DT APP	16.0		2,208		3.9
WNEH D26 DT BL	23.7		18	7.9	7.9
WATE-TV D26 DT LIC	232.5	22,637	184.4	18,765	184.4
WAGA-TV D27 DT LIC	179.7	6,367	147.9	4,642	147.9
WTVQ-DT D27 DT BL	80.1	5,792	24.0	959	24.0
WGTB-CD D27 DC BL	72.5	2,041	52.6	1,844	52.6
WPDE-TV D27 DT BL	12.0	630	0.0	0	0.0
WEMT D28 DT BL	36.0	4,244	16.0	1,431	16.0

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

Interference to DTVBL69397 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	229.8 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	229.8
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	163.1
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	354.0
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	316.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	253.1
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	146.7
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	184.6
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	139.4
	WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	137.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23562.8	1,018,493	23526.6	1,014,854	22383.0	962,666	22543.1	968,679	-0.72	-0.62

Undesired			Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	939.3		24,686	919.3	24,445
WPXR-P4 D27 DT APP	775.2		18,665		759.2
WPDE-TV D27 DT BL	108.5	26,208	88.5	25,967	92.5
WJGN-CD D27 DC BL	71.7	1,032	67.7	1,023	67.7
WRIC-TV D28 DT BL	48.1	512	48.1	512	48.1

Interference to DTVBL74137 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL74137 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000024642 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	344.4 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	344.4
	WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	106.7
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	288.9

WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	360.5
WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	378.7
W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	200.9
WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	276.2
WQLN	D27	DT	BL	ERIE, PA	DTVBL53716	197.1
WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	12.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22033.7 2,900,938	20392.3 2,770,284	19783.2 2,731,939	19783.2 2,731,939	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	7.9 234	0.0 0	
WPXR-P4 D27 DT APP	4.0 155		0.0 0
WGPT D26 DT BL	4.0 2	0.0 0	0.0 0
WMAR-TV D27 DT BL	56.4 1,272	32.2 953	32.2 953
W16DO-D D27 DC BL	48.1 2,994	0.0 0	0.0 0
WTTE D27 DT BL	168.3 6,877	88.5 4,745	88.5 4,745
WQLN D27 DT BL	352.3 14,355	240.2 10,597	240.2 10,597
WPCB-TV D28 DT BL	152.0 18,784	112.0 17,281	112.0 17,281

Interference to DTVBL65681 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	344.4 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	344.4
	WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	106.7
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	288.9
	WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	360.5
	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	378.7
	W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	200.9
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	276.2
	WQLN	D27	DT	BL	ERIE, PA	DTVBL53716	197.1
	WPCB-TV	D28	DT	BL	GREENSBURG, PA	DTVBL13924	12.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22775.9 2,966,864	21086.8 2,819,557	20482.2 2,783,149	20482.2 2,783,149	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	4.0 0	0.0 0	
WPXR-P4 D27 DT APP	4.0 0		0.0 0
WGPT D26 DT BL	12.0 64	0.0 0	0.0 0
WMAR-TV D27 DT BL	32.3 916	20.2 830	20.2 830
W16DO-D D27 DC BL	48.1 3,609	0.0 0	0.0 0
WTTE D27 DT BL	156.4 4,925	96.6 2,862	96.6 2,862
WQLN D27 DT BL	363.6 14,641	259.7 10,256	259.7 10,256
WPCB-TV D28 DT BL	140.0 18,545	108.1 17,134	108.1 17,134

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:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	322.9 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	322.9
	WMMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	0.0
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	352.1
	WGTV-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	253.1
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	386.2
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	172.7
	WUNM-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	39889.9 1,754,973	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	20.1 82	4.1 8	
WPXR-P4 D27 DT APP	8.1 72		0.0 0
WGTV-CD D27 DC BL	27.7 455	19.8 453	19.8 453
WUNP-TV D27 DT BL	84.4 4,378	48.2 2,768	48.2 2,768
WMYV D28 DT BL	64.7 2,420	40.4 828	40.4 828

Interference to DTVBL66549 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL25544 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	150.4 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	150.4
	WGTV-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	132.8
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	184.6
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	172.7
	WJBF	D28	DT	BL	AUGUSTA, GA	DTVBL27140	329.6
	WUNM-TV	D28	DT	BL	JACKSONVILLE, NC	DTVBL69444	240.6

WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	214.9
WRIC-TV	D28	DT	BL	PETERSBURG, VA	DTVBL74416	269.5
WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDDT20050624ABB	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36661.9 3,804,310	35951.5 3,782,552	35074.2 3,730,577	35074.2 3,730,577	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	15.9 146	8.0 76	
WPXR-P4 D27 DT APP	19.9 171		8.0 76
WPDE-TV D27 DT BL	126.6 2,344	106.8 1,803	106.8 1,803
WJBF D28 DT BL	47.8 966	32.0 425	32.0 425
WUNM-TV D28 DT BL	44.0 14,042	16.0 5,372	16.0 5,372
WEMT D28 DT BL	39.8 1,624	23.9 1,144	23.9 1,144
WRIC-TV D28 DT BL	579.0 39,886	535.1 30,788	531.1 30,763
WXLV-TV D29 DT LIC	91.8 2,728	91.8 2,728	91.8 2,728

Interference to DTVBL40761 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	192.3 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	192.3
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	121.5
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	148.2
	WJBF	D28	DT	BL	AUGUSTA, GA	DTVBL27140	339.2
	WELF-TV	D28	DT	BL	DALTON, GA	DTVBL60825	349.4
	WLEX-TV	D28	DT	BL	LEXINGTON, KY	DTVBL73203	268.2
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	214.9
	WSYX	D28	DT	BL	COLUMBUS, OH	DTVBL56549	395.8
	WKOP-TV	D29	DT	CP	KNOXVILLE, TN	BLANK0000024513	173.3
	WCHS-TV	D29	DT	BL	CHARLESTON, WV	DTVBL71280	218.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
41277.2 1,728,018	30601.9 1,170,720	29766.6 1,152,119	29770.6 1,152,119	-0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	16.0 272	8.0 163	
WPXR-P4 D27 DT APP	12.0 272		4.0 163
WUNW D27 DT LIC	20.1 0	16.1 0	16.1 0
WJBF D28 DT BL	40.2 433	32.2 433	32.2 433
WELF-TV D28 DT BL	59.9 3,092	43.9 2,603	43.9 2,603
WLEX-TV D28 DT BL	295.7 5,185	251.8 4,723	251.8 4,723
WMYV D28 DT BL	351.4 6,657	327.4 6,341	327.4 6,341
WSYX D28 DT BL	39.9 1,008	15.9 843	15.9 843
WKOP-TV D29 DT CP	84.1 2,990	68.1 2,459	68.1 2,459

Interference to DTVBL40761 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	
Undesireds:	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	192.3 km
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	192.3
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	121.5
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	148.2
	WJBF	D28	DT	BL	AUGUSTA, GA	DTVBL27140	339.2
	WELF-TV	D28	DT	BL	DALTON, GA	DTVBL60825	349.4
	WLEX-TV	D28	DT	BL	LEXINGTON, KY	DTVBL73203	268.2
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	214.9
	WSYX	D28	DT	BL	COLUMBUS, OH	DTVBL56549	395.8
	WKOP-TV	D29	DT	BL	KNOXVILLE, TN	DTVBL18267	173.2
	WCHS-TV	D29	DT	BL	CHARLESTON, WV	DTVBL71280	218.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
41277.2 1,728,018	30601.9 1,170,720	29766.6 1,152,119	29770.6 1,152,119	-0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPXR-TV D27 DT BL	16.0 272	8.0 163	
WPXR-P4 D27 DT APP	12.0 272		4.0 163
WUNW D27 DT LIC	20.1 0	16.1 0	16.1 0
WJBF D28 DT BL	40.2 433	32.2 433	32.2 433
WELF-TV D28 DT BL	59.9 3,092	43.9 2,603	43.9 2,603
WLEX-TV D28 DT BL	295.7 5,185	251.8 4,723	251.8 4,723
WMYV D28 DT BL	351.4 6,657	327.4 6,341	327.4 6,341
WSYX D28 DT BL	39.9 1,008	15.9 843	15.9 843
WKOP-TV D29 DT BL	84.1 2,990	68.1 2,459	68.1 2,459

Interference to DTVBL74416 BL, scenario 1

Proposal causes no interference.

Interference to proposal, scenario 1

1.66% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	
Undesireds:	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2 km

WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
WTVQ-DT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	384.6
WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	387.6
WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	305.3
WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	222.4
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8
WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6
WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000024642	344.4
WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	322.9
WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	339.5
WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	150.4
WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	192.3

Service area	Terrain-limited	IX-free	Percent IX
33326.1 1,213,851	27604.7 1,064,951	26975.1 1,047,226	2.28 1.66

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGPX-TV D26 DT BL 103.5	3,332 11.9	230 0.04	0.02
WTVQ-DT D27 DT BL 8.0	117 4.0	0 0.01	0.00
WMAR-TV D27 DT BL 31.8	633 19.9	392 0.07	0.04
WGTB-CD D27 DC BL 27.8	235 15.9	177 0.06	0.02
WUNP-TV D27 DT BL 359.1	11,165 295.3	9,039 1.07	0.85
WTTE D27 DT BL 23.8	542 11.9	421 0.04	0.04
WTAE-TV D27 DT CP 11.9	4 4.0	0 0.01	0.00
WPDE-TV D27 DT BL 95.6	2,398 27.9	479 0.10	0.04
WMYV D28 DT BL 167.2	5,680 91.5	3,282 0.33	0.31

Interference to proposal, scenario 2
1.66% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-P4	D27	DT	APP	ROANOKE, VA	WPXR-P4	
Undesireds:	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	114.2 km
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	171.5
	WTVQ-DT	D27	DT	BL	LEXINGTON, KY	DTVBL51597	384.6
	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	387.6
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	305.3
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	222.4
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	229.8
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6
	WTAE-TV	D27	DT	BL	PITTSBURGH, PA	DTVBL65681	344.4
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	322.9
	WJGN-CD	D27	DC	BL	CHESAPEAKE, VA	DTVBL66549	339.5
	WMYV	D28	DT	BL	GREENSBORO, NC	DTVBL25544	150.4
	WEMT	D28	DT	BL	GREENEVILLE, TN	DTVBL40761	192.3

Service area	Terrain-limited	IX-free	Percent IX
33326.1 1,213,851	27604.7 1,064,951	26975.1 1,047,226	2.28 1.66

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGPX-TV D26 DT BL 103.5	3,332 11.9	230 0.04	0.02
WTVQ-DT D27 DT BL 8.0	117 4.0	0 0.01	0.00
WMAR-TV D27 DT BL 31.8	633 19.9	392 0.07	0.04
WGTB-CD D27 DC BL 27.8	235 15.9	177 0.06	0.02
WUNP-TV D27 DT BL 359.1	11,165 295.3	9,039 1.07	0.85
WTTE D27 DT BL 23.8	542 11.9	421 0.04	0.04
WTAE-TV D27 DT BL 11.9	4 4.0	0 0.01	0.00
WPDE-TV D27 DT BL 95.6	2,398 27.9	479 0.10	0.04
WMYV D28 DT BL 167.2	5,680 91.5	3,282 0.33	0.31

Note: Terrain-limited service population of proposal is equivalent to 93% of the service population of the WPXR-TV baseline replication facility, which has a terrain-limited service population of 1,146,358.