

ENGINEERING STATEMENT
IN SUPPORT OF
APPLICATION FOR CONSTRUCTION PERMIT
WTSD-CA CHANNEL 14Z 146 kW @ RC 436.1 M AMSL
WILMINGTON, DELAWARE

MARCH 2004

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SUMMARY

The following engineering statement has been prepared on behalf of **Priority Communications Ministries, Inc. ("PCMI")**, licensee of Class A LPTV station WTSD-CA, Wilmington, Delaware. On January 12, 2004, **PCMI** was granted a license for upgraded facilities, as specified in FCC File No. BLTA-20031125ACN. **PCMI** has received no complaints of interference of any kind since the inception of operation. However, the station does desire to make a minor change in the existing antenna pattern to improve coverage south of the site over Philadelphia and portions of New Jersey. The change in pattern will be accomplished by adding one additional panel to the existing four panel array.

LAND MOBILE PROTECTION

Land Mobile operation on UHF TV Channels 14 and 15 in New York City are protected from LPTV interference as set forth in *Section 74.709* of the Rules. The proposed pattern modification is minor and increases radiation to the south and not in the direction of the New York LM protected service area. Figure 1, attached, depicts the arc of protection to Channels 14 and 15 LM operation for New York. No increase in radiation is proposed toward the LM protected area which stops at an azimuth bearing of 136 degrees from the WTSD-CA site location.

Figure 2, attached, depicts the licensed WTSD-CA 52 dBu F(50,10) contour in green the WTSD-CA proposed 52 dBu contour in blue and the 130 km protected land mobile radius in red. It is noted that the licensed and proposed contours are tangent on any possible bearing toward the New York City protected Land Mobile service area. On that basis, it is requested that the Media Bureau approve the instant **PCMI** minor mod application as compliant with *Section 74.709* of the Rules without the need for lengthy additional review by the Wireless Bureau.

PROTECTION TO WPHL, CHANNEL 17, PHILADELPHIA, PENNSYLVANIA

The proposed WTSD-CA site is located less than 0.5 km from the site of WPHL. WPHL is a full service TV station with an ERP of 2,340 kW and an omnidirectional antenna pattern. WPHL is 3 channels above WTSD-CA and the WPHL ERP of 2,340 kW (33.7 dBk) exceeds the WTSD-CA 146 kW ERP (21.6 dBk) by 12.1 dB. OET-69, *Table 4B*, specifies that for interference to exist from WTSD-CA to WPHL, the WTSD-CA signal must exceed the WPHL signal by 33 dB. As the WTSD-CA and WPHL sites are essentially collocated, it is impossible for WTSD-CA to interfere with WPHL. The OET-69 analysis printout found in *Table 1*, attached, confirms that the proposed WTSD-CA facility will not cause interference to WPHL.

PROTECTION TO WTMW, CHANNEL 14, ARLINGTON, VIRGINIA

An OET-69 analysis has been run to determine the potential for interference from WTSD-CA to co-channel station WTMW. When WTSD is considered alone the predicted interference is 0.5% which is within the de minimis rounding standard established in the *Report & Order in MM Docket No. 00-10 Released on April 4, 2000*. However, the WTMW 64 dBu contour is subject to existing masking interference from W68CQ, Channel 14 and WMPB-DT, Channel 29. In *Table 1*, scenario 1, existing interference to WMPB is 0.8% while proposed interference is 0.9%. In *Table 1*, scenario 2, existing interference is 0.8% and new interference with WTSD included is 0.9%. Clearly, a maximum of 0.1% new interference is de minimis and should not be counted against WTSD as it falls within the 0.5% rounding tolerance. WTMW is station number 3 in the attached OET-69 study, *Table 1*.

PROTECTION TO W68CQ, CHANNEL 14 DOVER, DELAWARE

W68CQ, Channel 14, is licensed for an ERP of 3.5 kW at Dover, Delaware, BLTT-20010803AAR. The proposed WTSD 46 dBu F(50,10) contour overlaps a portion of the W68CQ 74 dBu F(50,50) as seen on *Figure 3*, attached. However, the area of overlap is north of the W68CQ transmitter site. In this case all receive antennas in the overlap area are predicted to be looking at the W68CQ site making the use of 6 dB receive antenna directivity factor appropriate. The 52 dBu F(50,10) contour does not overlap the W68CQ 74 dBu contour and thus there will be no interference to W68CQ as seen on *Figure 3*.

As further confirmation that the WTSD proposed facility will not cause interference to W68CQ, the 46 dBu F(50,10) contour from WTMW, Channel 14, Arlington, Virginia is also included on Figure 3. Based on OET-69 analysis, the WTMW facility causes 0.2% interference to W68CQ. The WTSD-CA proposed facility cause 0.1% new interference to W68CQ and 0.1% interference inside the masked interference area from WTMW. A 0.1% OET-69 interference to W68CQ is considered de minimis and should not be counted against WTSD due to the 0.5% rounding policy.

PROTECTION TO WELL-LP, CHANNEL 15, PHILADELPHIA, PENNSYLVANIA

The WELL-LP facilities are specified in FCC file number BPTTL-20001012ABB. WELL-LP is station number 6 in the OET-69 analysis found in Table 1. A review of the analysis shows that there are 881,539 persons in the WELL-LP 74 dBu contour with 525,758 persons lost to NTSC interference predominantly from WTXF, Channel 29. WELL-LP interference from WTXF (CH 29) and from WPHL (CH 17) accounts for 59.6% of the WELL-LP population. Any interference from the WTSD-LP, Channel 14 proposal is totally masked by the high levels of interference from WTXF and WPHL and thus is believed not to be counted as interference caused by WTSD. (See *paragraph 74, Report & Order, MM Docket No. 00-10.*)

PROTECTION TO WLYH, CHANNEL 15, LANCASTER, PENNSYLVANIA

WLYH is station number 8 in the OET-69 analysis, Table 1, attached. Seven different scenarios were run to determine any impact to WLYH. Unmasked interference to WLYH, from the WTSD proposal, ranges from 0% to 0.2% which is considered de minimis and, should not be counted against WTSD under the 0.5% rounding policy.

TOWER REGISTRATION - WNWR AM

The tower proposed by WTSD has been registered with the Commission, is constructed, and holds registration number 1231524. The tower is registered to American Tower LP. American Tower has contractual arrangements with WNWR concerning before and after partial proof-of-performance measurements. No condition on the WTSD-CA CP concerning WNWR is believed appropriate as it is the

tower, not the proposed WTSD-CA side mounted antenna and line, which would be expected to impact the WNWR antenna pattern. Further, the feedline and panels are already in place. Once the instant facility application is granted WTSD-CA can implement the new antenna pattern by replacing the current four port power divider with a 5 port unit and the addition of one more heliax line from the new power divider to the 5th panel.

CONCLUSION

It is believed that the proposed WTSD-CA facilities meet all of the requirements found in part 74 of the Commission's Rules and Regulations concerning protection to land mobile and other television facilities and/or meets the de minimis interference rounding tolerance as set forth in the *Report & Order in MM Docket No. 00-10, Released April 4, 2000*.

The foregoing was prepared on behalf of **Priority Communications Ministries, Inc.** by Clarence M. Beverage of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.

By Clarence M. Beverage

Clarence M. Beverage

for Communications Technologies, Inc.

Marlton, New Jersey

Date: March 3, 2004

Table 1

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-03-2004 Time: 17:21:59

Record Selected for Analysis

WTSD USERRECORD-01 WILMINGTON DE US
 Channel 14 ERP 150. kW HAAT 325. m RCAMSL 00347 m
 Latitude 040-02-30 Longitude 0075-14-11
 Status APP Zone 1 Border Offset Z
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 230.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Maximum height/power limits not checked

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	0.000	274.2	1.5
45.0	0.000	247.5	1.5
90.0	0.000	303.2	1.5
135.0	0.000	325.2	1.5
180.0	13.321	310.2	27.4
225.0	134.379	262.3	39.4
270.0	6.000	233.2	20.1
315.0	0.000	303.6	1.5

Evaluation from Class A Station

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is 0.50km from AM station

PHILADELPHIA PA WNWR Status: L Antenna: DAD

Proposed station is 0.50km from AM station

PHILADELPHIA PA WNWR Status: P Antenna: DA2

Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
14	WTSD	WILMINGTON DE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	870331LW	BATH NY	301.7	APP	BPCT	-19870331LW
14	WSPX	SYRACUSE NY	368.9	APP	BPRM	-20021108ADJ
14	WFDC-TV	ARLINGTON VA	200.1	CP MOD	BMPCT	-19910730KE
14	WHTJ-DT	CHARLOTTESVILLE VA	361.9	PLN	DTVPLN	-DTVP0152
15	WLYH-TV	LANCASTER PA	107.2	LIC	BLCT	-19791019KK
15	WELL-LP	PHILADELPHIA PA	0.3	CP	BPTTL	-20001012ABB
16	WNEP-TV	SCRANTON PA	137.7	LIC	BLCT	-2623
17	WPHL-TV	PHILADELPHIA PA	0.3	LIC	BLCT	-2611
21	WHP-TV	HARRISBURG PA	142.7	LIC	BLCT	-2171

[illegible]

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
14	NEW	BATH NY	DTVPLN	-NPLN0897

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WUTV-DT	BUFFALO NY	160.6	PLN	DTVPLN	-DTVP0143
14	WPTZ-DT	NORTH POLE NY	381.2	PLN	DTVPLN	-DTVP0144
14	WTMW	ARLINGTON VA	374.5	PLN	DTVPLN	-NPLN0909
15	WPSX-DT	CLEARFIELD PA	166.1	PLN	DTVPLN	-DTVP0188
16	WXXI-DT	ROCHESTER NY	96.6	PLN	DTVPLN	-DTVP0236
17	WIXT-DT	SYRACUSE NY	120.8	PLN	DTVPLN	-DTVP0274
18	WETMTV	ELMIRA NY	36.5	PLN	DTVPLN	-NPLN1026
21	WXXITV	ROCHESTER NY	96.6	PLN	DTVPLN	-NPLN1121
28	WUHF-DT	ROCHESTER NY	96.6	PLN	DTVPLN	-DTVP0720
28	WBRETV	WILKES-BARRE PA	168.0	PLN	DTVPLN	-NPLN1338
29	WUTV	BUFFALO NY	160.6	PLN	DTVPLN	-NPLN1364
29	WILF-DT	WILLIAMSPORT PA	123.5	PLN	DTVPLN	-DTVP0762

Results for: 14N NY BATH

	DTVPLN	NPLN0897	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	610747	17723.6	
not affected by terrain losses	398377	14396.6	
lost to NTSC IX	32958	334.7	
lost to additional IX by ATV	33626	576.7	
lost to all IX	66584	911.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	870331LW	BATH NY	BPCT	-19870331LW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WUTV-DT	BUFFALO NY	160.6	PLN	DTVPLN	-DTVP0143
14	WUTV	BUFFALO NY	160.7	APP	BPCDT	-19991101ACJ
14	WPTZ-DT	NORTH POLE NY	381.2	PLN	DTVPLN	-DTVP0144
14	WSPX	SYRACUSE NY	146.3	APP	BPRM	-20021108ADJ
14	WFDC-TV	ARLINGTON VA	374.5	CP MOD	BMPCT	-19910730KE
15	WPSX-TV	CLEARFIELD PA	166.2	CP	BPEDT	-20000501AHR
15	WPSX-DT	CLEARFIELD PA	166.1	PLN	DTVPLN	-DTVP0188
15	WPSX-TV	CLEARFIELD PA	166.2	APP	BMPEDT	-20030527ADP
16	WXXI-TV	ROCHESTER NY	96.6	CP	BPEDT	-19990114KF
16	WXXI-DT	ROCHESTER NY	96.6	PLN	DTVPLN	-DTVP0236
17	WIXT-TV	SYRACUSE NY	120.8	LIC	BLCDT	-20030812ABK
17	WIXT-DT	SYRACUSE NY	120.8	PLN	DTVPLN	-DTVP0274
18	WETM-TV	ELMIRA NY	36.5	LIC	BLCT	-19980615KE
21	WXXI-TV	ROCHESTER NY	96.6	LIC	BLET	-19800813KE
28	WUHF	ROCHESTER NY	96.6	APP	BPCDT	-19991101ACD
28	WUHF-DT	ROCHESTER NY	96.6	PLN	DTVPLN	-DTVP0720
28	WBRE-TV	WILKES-BARRE PA	168.0	LIC	BLCT	-19891005KF
29	WUTV	BUFFALO NY	160.7	LIC	BLCT	-19990604KJ
29	WILF	WILLIAMSPORT PA	123.5	CP	BPCDT	-19980825KJ

29	WILF-DT	WILLIAMSPORT PA	123.5	PLN	DTVPLN	-DTVP0762
14	WTSD	WILMINGTON DE	301.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WSPX	SYRACUSE NY	BPRM	-20021108ADJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	870331LW	BATH NY	146.3	APP	BPCT	-19870331LW
14	WUTV-DT	BUFFALO NY	235.4	PLN	DTVPLN	-DTVP0143
14	WUTV	BUFFALO NY	235.4	APP	BPCDT	-19991101ACJ
14	WPTZ	NORTH POLE NY	292.4	CP	BPCDT	-19991020ACA
14	WPTZ-DT	NORTH POLE NY	236.7	PLN	DTVPLN	-DTVP0144
15	WNYT-DT	ALBANY NY	205.0	PLN	DTVPLN	-DTVP0183
14	WTSD	WILMINGTON DE	368.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
14	WTMW	ARLINGTON VA	DTVPLN	-NPLN0909

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WAAP-DT	BURLINGTON NC	392.6	PLN	DTVPLN	-DTVP0139
14	WYDO	GREENVILLE NC	389.2	PLN	DTVPLN	-NPLN0893
14	NEW	BATH NY	374.5	PLN	DTVPLN	-NPLN0897
14	WHTJ-DT	CHARLOTTESVILLE VA	161.9	PLN	DTVPLN	-DTVP0152
15	WLYHTV	LANCASTER PA	156.2	PLN	DTVPLN	-NPLN0931
15	WTMW-DT	ARLINGTON VA	0.0	PLN	DTVPLN	-DTVP0200
16	WJAL-DT	HAGERSTOWN MD	130.3	PLN	DTVPLN	-DTVP0223
16	WBOCTV	SALISBURY MD	133.8	PLN	DTVPLN	-NPLN0953
21	WBOC-DT	SALISBURY MD	133.8	PLN	DTVPLN	-DTVP0441
21	WHPTV	HARRISBURG PA	157.3	PLN	DTVPLN	-NPLN1124
21	WVPY-DT	FRONT ROYAL VA	108.0	PLN	DTVPLN	-DTVP0461
22	WMPT	ANNAPOLIS MD	41.6	PLN	DTVPLN	-NPLN1145
28	WFPT-DT	FREDERICK MD	45.7	PLN	DTVPLN	-DTVP0713
28	WCPB	SALISBURY MD	143.2	PLN	DTVPLN	-NPLN1333
29	WMPB-DT	BALTIMORE MD	62.5	PLN	DTVPLN	-DTVP0747
29	WTFX	PHILADELPHIA PA	199.9	PLN	DTVPLN	-NPLN1365
29	WVIRTV	CHARLOTTESVILLE VA	161.7	PLN	DTVPLN	-NPLN1369

Results for: 14N VA ARLINGTON	DTVPLN	NPLN0909	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5882742	15596.7	
not affected by terrain losses	5857990	15256.6	
lost to NTSC IX	4652	44.0	
lost to additional IX by ATV	47698	744.2	
lost to all IX	52350	788.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WFDC-TV	ARLINGTON VA	BMPCT	-19910730KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WGPX	BURLINGTON NC	375.3	CP MOD	BMPCDT	-20030123ACH
14	WAAP-DT	BURLINGTON NC	392.6	PLN	DTVPLN	-DTVP0139
14	WYDO	GREENVILLE NC	389.2	LIC	BLCT	-19920709KF
14	870331LW	BATH NY	374.5	APP	BPCT	-19870331LW
14	WHTJ-DT	CHARLOTTESVILLE VA	161.9	PLN	DTVPLN	-DTVP0152
15	WLYH-TV	LANCASTER PA	156.2	LIC	BLCT	-19791019KK
15	WFDC-TV	ARLINGTON VA	0.0	APP	BPCDT	-19991028ADH
15	WTMW-DT	ARLINGTON VA	0.0	PLN	DTVPLN	-DTVP0200
16	WJAL	HAGERSTOWN MD	130.2	APP	BPCDT	-19991101ADQ
16	WJAL-DT	HAGERSTOWN MD	130.3	PLN	DTVPLN	-DTVP0223
16	WBOC-TV	SALISBURY MD	133.8	LIC	BLCT	-20000918ABE
16	WJAL-TV	SILVER SPRING MD	0.0	APP	BPRM	-20021003ACN
21	WBOC-TV	SALISBURY MD	133.8	CP MOD	BMPCDT	-20000501ADX
21	WBOC-DT	SALISBURY MD	133.8	PLN	DTVPLN	-DTVP0441
21	WBOC-TV	SALISBURY MD	133.8	APP	BMPCDT	-20031124APT
21	WHP-TV	HARRISBURG PA	157.3	LIC	BLCT	-2171
21	WVPY	FRONT ROYAL VA	108.0	LIC	BLEDT	-20021220ADZ
21	WVPY-DT	FRONT ROYAL VA	108.0	PLN	DTVPLN	-DTVP0461
22	WMPT	ANNAPOLIS MD	41.6	LIC	BLET	-20030903ABE
28	WFPT	FREDERICK MD	40.7	APP	BMPEDT	-20030609ADG
28	WFPT-DT	FREDERICK MD	45.7	PLN	DTVPLN	-DTVP0713
28	WFPT	FREDERICK MD	45.7	CP	BPEDT	-20000501ABL
28	WCPB	SALISBURY MD	143.2	CP	BPET	-19920226KE
29	WMPB-DT	BALTIMORE MD	62.5	PLN	DTVPLN	-DTVP0747
29	WTFX-TV	PHILADELPHIA PA	199.9	LIC	BLCT	-2289
29	WVIR-TV	CHARLOTTESVILLE VA	161.7	LIC	BLCT	-19930210KE
14	WTSD	WILMINGTON DE	200.1	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 14N VA ARLINGTON	BMPCT	19910730KE	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5882742	15596.7	
not affected by terrain losses	5857990	15256.6	
lost to NTSC IX	2226	32.0	
lost to additional IX by ATV	47698	744.2	
lost to all IX	49924	776.2	

Potential Interfering Stations Included in above Scenario 1

22N MD ANNAPOLIS	BLET	20030903ABE	LIC
29N VA CHARLOTTESVILLE	BLCT	19930210KE	LIC
14A VA CHARLOTTESVILLE	DTVPLN	DTVP0152	PLN
28A MD FREDERICK	DTVPLN	DTVP0713	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN

After Analysis

Results for: 14N VA ARLINGTON	BMPCT	19910730KE	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5882742	15596.7	
not affected by terrain losses	5857990	15256.6	
lost to NTSC IX	7807	44.0	
lost to additional IX by ATV	42236	736.2	
lost to all IX	50043	780.2	

Potential Interfering Stations Included in above Scenario 1

22N MD ANNAPOLIS	BLET	20030903ABE	LIC
29N VA CHARLOTTESVILLE	BLCT	19930210KE	LIC
14A VA CHARLOTTESVILLE	DTVPLN	DTVP0152	PLN
28A MD FREDERICK	DTVPLN	DTVP0713	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:	0.8	BMPCT	19910730KE
*Percent new DTV interference with proposal:	0.9	BMPCT	19910730KE

Result key: 2
 Scenario 2 Affected station 3
 Before Analysis

Results for: 14N VA ARLINGTON	BMPCT	19910730KE	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5882742	15596.7	
not affected by terrain losses	5857990	15256.6	
lost to NTSC IX	2226	32.0	
lost to additional IX by ATV	47698	744.2	
lost to all IX	49924	776.2	

Potential Interfering Stations Included in above Scenario 2

22N MD ANNAPOLIS	BLET	20030903ABE	LIC
29N VA CHARLOTTESVILLE	BLCT	19930210KE	LIC
14A VA CHARLOTTESVILLE	DTVPLN	DTVP0152	PLN
28A MD FREDERICK	BPEDT	20000501ABL	CP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN

After Analysis

Results for: 14N VA ARLINGTON	BMPCT	19910730KE	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5882742	15596.7	
not affected by terrain losses	5857990	15256.6	

lost to NTSC IX	7807	44.0
lost to additional IX by ATV	42236	736.2
lost to all IX	50043	780.2

Potential Interfering Stations Included in above Scenario 2

22N MD ANNAPOLIS	BLET	20030903ABE	LIC
29N VA CHARLOTTESVILLE	BLCT	19930210KE	LIC
14A VA CHARLOTTESVILLE	DTVPLN	DTVP0152	PLN
28A MD FREDERICK	BPEDT	20000501ABL	CP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
14N DE WILMINGTON	USERRECORD01		APP

*Percent new DTV interference without proposal: 0.8 BMPCT 19910730KE
 *Percent new DTV interference with proposal: 0.9 BMPCT 19910730KE

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
14	WHTJ-DT	CHARLOTTESVILLE VA	DTVPLN	-DTVP0152

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WAAP-DT	BURLINGTON NC	242.2	PLN	DTVPLN	-DTVP0139
14	WYDO	GREENVILLE NC	299.0	PLN	DTVPLN	-NPLN0893
14	WHKYTV	HICKORY NC	355.9	PLN	DTVPLN	-NPLN0894
14	WTMW	ARLINGTON VA	161.9	PLN	DTVPLN	-NPLN0909
14	WLFB-DT	BLUEFIELD WV	258.9	PLN	DTVPLN	-DTVP0156
15	WRMY-DT	ROCKY MOUNT NC	210.5	PLN	DTVPLN	-DTVP0177
15	WTMW-DT	ARLINGTON VA	161.9	PLN	DTVPLN	-DTVP0200
15	WHROTV	HAMPTON-NORFOLK VA	218.1	PLN	DTVPLN	-NPLN0938
15	WBRATV	ROANOKE VA	171.3	PLN	DTVPLN	-NPLN0939

Results for: 14A VA CHARLOTTESVILLE DTVPLN DTVP0152 PLN
 HAAT 352.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	340065	10150.6
not affected by terrain losses	263431	8921.8
lost to NTSC IX	36001	560.4
lost to additional IX by ATV	184	8.0
lost to ATV IX only	2007	80.1
lost to all IX	36185	568.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
41	WHTJ	CHARLOTTESVILLE VA	DTVPLN	-NPLN1611

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WHSW-DT	BALTIMORE MD	208.3	PLN	DTVPLN	-DTVP1163

41	WKBN-DT	YOUNGSTOWN OH	388.8	PLN	DTVPLN	-DTVP1170
41	WDRL-DT	DANVILLE VA	185.6	PLN	DTVPLN	-DTVP1177
41	WVEC-DT	HAMPTON VA	220.1	PLN	DTVPLN	-DTVP1178
41	WCHS-DT	CHARLESTON WV	302.5	PLN	DTVPLN	-DTVP1181
42	WMPT-DT	ANNAPOLIS MD	199.0	PLN	DTVPLN	-DTVP1198
42	WVPY	FRONT ROYAL VA	109.4	PLN	DTVPLN	-NPLN1629
43	WVVI-DT	MANASSAS VA	134.5	PLN	DTVPLN	-DTVP1249
44	WCVW-DT	RICHMOND VA	93.5	PLN	DTVPLN	-DTVP1283
49	WHSV-DT	HARRISONBURG VA	70.0	PLN	DTVPLN	-DTVP1434
56	WNVC	FAIRFAX VA	147.8	PLN	DTVPLN	-NPLN1873
56	WSET-DT	LYNCHBURG VA	125.6	PLN	DTVPLN	-DTVP1597

Results for: 41N VA CHARLOTTESVILLE DTVPLN NPLN1611 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	340065	10150.6
not affected by terrain losses	204750	7665.0
lost to NTSC IX	88	4.0
lost to additional IX by ATV	2242	204.1
lost to all IX	2330	208.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WHTJ-DT	CHARLOTTESVILLE VA	DTVPLN	-DTVP0152

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WGPX	BURLINGTON NC	219.0	CP MOD	BMPCDT	-20030123ACH
14	WAAP-DT	BURLINGTON NC	242.2	PLN	DTVPLN	-DTVP0139
14	WYDO	GREENVILLE NC	299.0	LIC	BLCT	-19920709KF
14	WHKY-TV	HICKORY NC	355.9	CP	BPCT	-20001030AAR
14	WFDC-TV	ARLINGTON VA	161.9	CP MOD	BMPCT	-19910730KE
14	WLFB	BLUEFIELD WV	258.9	CP	BPCDT	-19991029AHN
14	WLFB-DT	BLUEFIELD WV	258.9	PLN	DTVPLN	-DTVP0156
15	WRPX	ROCKY MOUNT NC	210.5	LIC	BLCDT	-20020510AAF
15	WRMY-DT	ROCKY MOUNT NC	210.5	PLN	DTVPLN	-DTVP0177
15	WFDC-TV	ARLINGTON VA	161.9	APP	BPCDT	-19991028ADH
15	WTMW-DT	ARLINGTON VA	161.9	PLN	DTVPLN	-DTVP0200
15	WHRO-TV	HAMPTON-NORFOLK VA	218.2	LIC	BLET	-19980608KE
15	WBRA-TV	ROANOKE VA	171.3	LIC	BLET	-19901107KE
14	WTSD	WILMINGTON DE	361.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	WLYHTV	LANCASTER PA	DTVPLN	-NPLN0931

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTMW	ARLINGTON VA	156.2	PLN	DTVPLN	-NPLN0909

15	WNYT-DT	ALBANY NY	366.5	PLN	DTVPLN	-DTVP0183
15	WPSX-DT	CLEARFIELD PA	192.0	PLN	DTVPLN	-DTVP0188
15	WTMW-DT	ARLINGTON VA	156.2	PLN	DTVPLN	-DTVP0200
15	WHRO-TV	HAMPTON-NORFOLK VA	383.9	PLN	DTVPLN	-NPLN0938
16	WJAL-DT	HAGERSTOWN MD	134.3	PLN	DTVPLN	-DTVP0223
16	WNEPTV	SCRANTON PA	113.8	PLN	DTVPLN	-NPLN0964
17	WPHL-TV	PHILADELPHIA PA	106.9	PLN	DTVPLN	-NPLN1001
22	WMPT	ANNAPOLIS MD	139.8	PLN	DTVPLN	-NPLN1145
22	WYOU	SCRANTON PA	113.8	PLN	DTVPLN	-NPLN1154
23	WLYH-DT	LANCASTER PA	0.0	PLN	DTVPLN	-DTVP0539
29	WMPB-DT	BALTIMORE MD	94.1	PLN	DTVPLN	-DTVP0747
29	WTFX	PHILADELPHIA PA	107.0	PLN	DTVPLN	-NPLN1365
29	WILF-DT	WILLIAMSPORT PA	118.1	PLN	DTVPLN	-DTVP0762
30	NEW	CORNING NY	198.5	PLN	DTVPLN	-NPLN1385
30	WGCB-DT	RED LION PA	41.0	PLN	DTVPLN	-DTVP0800

Results for: 15N PA LANCASTER	DTVPLN	NPLN0931	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	211449	1193.7	
lost to additional IX by ATV	191763	2110.0	
lost to all IX	403212	3303.7	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WLYH-TV	LANCASTER PA	BLCT	-19791019KK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WFDC-TV	ARLINGTON VA	156.2	CP MOD	BMPCT	-19910730KE
15	WNYT-DT	ALBANY NY	366.5	PLN	DTVPLN	-DTVP0183
15	WPSX-TV	CLEARFIELD PA	192.1	CP	BPEDT	-20000501AHR
15	WPSX-DT	CLEARFIELD PA	192.0	PLN	DTVPLN	-DTVP0188
15	WPSX-TV	CLEARFIELD PA	192.1	APP	BMPEDT	-20030527ADP
15	WFDC-TV	ARLINGTON VA	156.2	APP	BPCDT	-19991028ADH
15	WTMW-DT	ARLINGTON VA	156.2	PLN	DTVPLN	-DTVP0200
15	WHRO-TV	HAMPTON-NORFOLK VA	383.9	LIC	BLET	-19980608KE
16	WJAL	HAGERSTOWN MD	134.4	APP	BPCDT	-19991101ADQ
16	WJAL-DT	HAGERSTOWN MD	134.3	PLN	DTVPLN	-DTVP0223
16	WJAL-TV	SILVER SPRING MD	156.2	APP	BPRM	-20021003ACN
16	WNEP-TV	SCRANTON PA	113.8	LIC	BLCT	-2623
17	WPHL-TV	PHILADELPHIA PA	106.9	LIC	BLCT	-2611
22	WMPT	ANNAPOLIS MD	139.8	LIC	BLET	-20030903ABE
22	WYOU	SCRANTON PA	113.8	CP	BPCT	-19960711KE
23	WLYH-TV	LANCASTER PA	0.0	LIC	BLCDT	-20020528AAN
23	WLYH-DT	LANCASTER PA	0.0	PLN	DTVPLN	-DTVP0539
23	WLYH-TV	LANCASTER PA	0.0	CP MOD	BMPEDT	-20010924AAK
29	WMPB-DT	BALTIMORE MD	94.1	PLN	DTVPLN	-DTVP0747
29	WTFX-TV	PHILADELPHIA PA	107.0	LIC	BLCT	-2289
29	WILF	WILLIAMSPORT PA	118.1	CP	BPCDT	-19980825KJ
29	WILF-DT	WILLIAMSPORT PA	118.1	PLN	DTVPLN	-DTVP0762
30	WSKA	CORNING NY	198.5	CP	BPET	-19960126KE
30	WGCB-TV	RED LION PA	41.0	CP	BPCDT	-19991130AAQ
30	WGCB-DT	RED LION PA	41.0	PLN	DTVPLN	-DTVP0800
14	WTSD	WILMINGTON DE	107.2	APP	USERRECORD-01	

Total scenarios = 12

Result key: 3
 Scenario 1 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	199395	2178.3	
lost to all IX	404964	3359.9	

Potential Interfering Stations Included in above Scenario 1

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	196800	2154.2	
lost to all IX	406536	3376.0	

Potential Interfering Stations Included in above Scenario 1

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP
14N DE WILMINGTON	USERRECORD01	APP	
*Percent new DTV interference without proposal:	15.9	BLCT	19791019KK
*Percent new DTV interference with proposal:	15.9	BLCT	19791019KK

Result key: 4

Scenario 2 Affected station 5
Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	197431	2154.2	
lost to all IX	403000	3335.8	

Potential Interfering Stations Included in above Scenario 2

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	194836	2130.1	
lost to all IX	404572	3351.9	

Potential Interfering Stations Included in above Scenario 2

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN
14N DE WILMINGTON	USERRECORD01	APP	
*Percent new DTV interference without proposal:		15.8	BLCT 19791019KK
*Percent new DTV interference with proposal:		15.9	BLCT 19791019KK

Result key: 5
Scenario 3 Affected station 5
Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	

within Noise Limited Contour	2550573	21658.7
not affected by terrain losses	2290174	18580.1
lost to NTSC IX	205569	1181.6
lost to additional IX by ATV	198743	2142.2
lost to all IX	404312	3323.8

Potential Interfering Stations Included in above Scenario 3

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	196148	2118.0	
lost to all IX	405884	3339.8	

Potential Interfering Stations Included in above Scenario 3

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP
14N DE WILMINGTON	USERRECORD01	APP	
*Percent new DTV interference without proposal:	15.9	BLCT	19791019KK
*Percent new DTV interference with proposal:	15.9	BLCT	19791019KK

Result key: 6
 Scenario 4 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	196779	2118.0	
lost to all IX	402348	3299.6	

Potential Interfering Stations Included in above Scenario 4

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	194184	2093.9	
lost to all IX	403920	3315.7	

Potential Interfering Stations Included in above Scenario 4

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:	15.8	BLCT	19791019KK
*Percent new DTV interference with proposal:	15.8	BLCT	19791019KK

Result key: 7
 Scenario 5 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	255343	3058.5	
lost to all IX	460912	4240.1	

Potential Interfering Stations Included in above Scenario 5

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC

17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	252489	3026.3	
lost to all IX	462225	4248.1	

Potential Interfering Stations Included in above Scenario 5

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:	18.1	BLCT	19791019KK
*Percent new DTV interference with proposal:	18.1	BLCT	19791019KK

Result key: 8
 Scenario 6 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	253875	3042.4	
lost to all IX	459444	4224.0	

Potential Interfering Stations Included in above Scenario 6

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP

15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	251021	3010.3	
lost to all IX	460757	4232.1	

Potential Interfering Stations Included in above Scenario 6

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BPEDT	20000501AHR	CP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:		18.0	BLCT 19791019KK
*Percent new DTV interference with proposal:		18.1	BLCT 19791019KK

Result key: 9
 Scenario 7 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	254740	3034.4	
lost to all IX	460309	4216.0	

Potential Interfering Stations Included in above Scenario 7

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	251886	3002.2	
lost to all IX	461622	4224.0	

Potential Interfering Stations Included in above Scenario 7

14N VA ARLINGTON	BMPCT	19910730KE	CP	
16N PA SCRANTON	BLCT	2623	LIC	
17N PA PHILADELPHIA	BLCT	2611	LIC	
22N MD ANNAPOLIS	BLET	20030903ABE	LIC	
22N PA SCRANTON	BPCT	19960711KE	CP	
29N PA PHILADELPHIA	BLCT	2289	LIC	
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN	
15A VA ARLINGTON	BPCDT	19991028ADH	APP	
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN	
30A PA RED LION	BPCDT	19991130AAQ	CP	
14N DE WILMINGTON	USERRECORD01		APP	
*Percent new DTV interference without proposal:		18.0	BLCT	19791019KK
*Percent new DTV interference with proposal:		18.1	BLCT	19791019KK

Result key: 10
 Scenario 8 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	253272	3018.3	
lost to all IX	458841	4199.9	

Potential Interfering Stations Included in above Scenario 8

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	

lost to NTSC IX	209736	1221.8
lost to additional IX by ATV	250418	2986.2
lost to all IX	460154	4207.9

Potential Interfering Stations Included in above Scenario 8

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	DTVPLN	DTVP0188	PLN
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:		18.0	BLCT 19791019KK
*Percent new DTV interference with proposal:		18.0	BLCT 19791019KK

Result key: 11
 Scenario 9 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	253077	3042.4	
lost to all IX	458646	4224.0	

Potential Interfering Stations Included in above Scenario 9

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	250223	3010.3	
lost to all IX	459959	4232.1	

Potential Interfering Stations Included in above Scenario 9

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:			18.0 BLCT 19791019KK
*Percent new DTV interference with proposal:			18.0 BLCT 19791019KK

Result key: 12
 Scenario 10 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	251609	3026.3	
lost to all IX	457178	4207.9	

Potential Interfering Stations Included in above Scenario 10

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	BPCDT	19991028ADH	APP
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	248755	2994.2	
lost to all IX	458491	4216.0	

Potential Interfering Stations Included in above Scenario 10

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC

22N PA SCRANTON	BPCT	19960711KE	CP	
29N PA PHILADELPHIA	BLCT	2289	LIC	
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP	
15A VA ARLINGTON	BPCDT	19991028ADH	APP	
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN	
30A PA RED LION	DTVPLN	DTVP0800	PLN	
14N DE WILMINGTON	USERRECORD01		APP	
*Percent new DTV interference without proposal:			17.9	BLCT 19791019KK
*Percent new DTV interference with proposal:			18.0	BLCT 19791019KK

Result key: 13
 Scenario 11 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	195775	2142.2	
lost to all IX	401344	3323.8	

Potential Interfering Stations Included in above Scenario 11

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	BPCDT	19991130AAQ	CP

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	193180	2118.0	
lost to all IX	402916	3339.8	

Potential Interfering Stations Included in above Scenario 11

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN

30A PA RED LION	BPCDT	19991130AAQ	CP	
14N DE WILMINGTON	USERRECORD01		APP	
*Percent new DTV interference without proposal:		15.7	BLCT	19791019KK
*Percent new DTV interference with proposal:		15.8	BLCT	19791019KK

Result key: 14
 Scenario 12 Affected station 5
 Before Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	205569	1181.6	
lost to additional IX by ATV	193811	2118.0	
lost to all IX	399380	3299.6	

Potential Interfering Stations Included in above Scenario 12

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN

After Analysis

Results for: 15N PA LANCASTER	BLCT	19791019KK	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2550573	21658.7	
not affected by terrain losses	2290174	18580.1	
lost to NTSC IX	209736	1221.8	
lost to additional IX by ATV	191216	2093.9	
lost to all IX	400952	3315.7	

Potential Interfering Stations Included in above Scenario 12

14N VA ARLINGTON	BMPCT	19910730KE	CP
16N PA SCRANTON	BLCT	2623	LIC
17N PA PHILADELPHIA	BLCT	2611	LIC
22N MD ANNAPOLIS	BLET	20030903ABE	LIC
22N PA SCRANTON	BPCT	19960711KE	CP
29N PA PHILADELPHIA	BLCT	2289	LIC
15A PA CLEARFIELD	BMPEDT	20030527ADP	APP
15A VA ARLINGTON	DTVPLN	DTVP0200	PLN
29A MD BALTIMORE	DTVPLN	DTVP0747	PLN
30A PA RED LION	DTVPLN	DTVP0800	PLN
14N DE WILMINGTON	USERRECORD01		APP
*Percent new DTV interference without proposal:		15.7	BLCT 19791019KK
*Percent new DTV interference with proposal:		15.7	BLCT 19791019KK

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WELL-LP	PHILADELPHIA PA	BPTTL	-20001012ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTSD-CA	WILMINGTON DE	0.3	LIC	BLTTA	-20031125ACN
15	WNYT-DT	ALBANY NY	333.4	PLN	DTVPLN	-DTVP0183
15	WPSX-TV	CLEARFIELD PA	296.1	CP	BPEDT	-20000501AHR
15	WPSX-DT	CLEARFIELD PA	296.1	PLN	DTVPLN	-DTVP0188
15	WPSX-TV	CLEARFIELD PA	296.1	APP	BMPEDT	-20030527ADP
15	WLYH-TV	LANCASTER PA	107.2	LIC	BLCT	-19791019KK
15	WFDC-TV	ARLINGTON VA	199.9	APP	BPCDT	-19991028ADH
15	WTMW-DT	ARLINGTON VA	199.9	PLN	DTVPLN	-DTVP0200
15	WHRO-TV	HAMPTON-NORFOLK VA	375.6	LIC	BLET	-19980608KE
18	WNJB-DT	NEW BRUNSWICK NJ	89.7	PLN	DTVPLN	-DTVP0317
18	WMBC-TV	NEWTON NJ	121.1	CP	BPCDT	-19991029AFC
22	WNJS	CAMDEN NJ	48.1	CP	BPEDT	-20000425AAI
22	WNJS-DT	CAMDEN NJ	48.1	PLN	DTVPLN	-DTVP0496
23	WLYH-TV	LANCASTER PA	107.2	LIC	BLCDT	-20020528AAN
23	WLYH-DT	LANCASTER PA	107.2	PLN	DTVPLN	-DTVP0539
23	WLYH-TV	LANCASTER PA	107.2	CP MOD	BMPCDT	-20010924AAK
29	WFME-TV	WEST MILFORD NJ	117.6	CP	BPEDT	-19990205KF
29	WTFX-TV	PHILADELPHIA PA	0.2	LIC	BLCT	-2289
30	WPXN-TV	NEW YORK NY	127.7	CP	BPCDT	-19991028ACH
30	WBIS-DT	NEW YORK NY	127.7	PLN	DTVPLN	-DTVP0794
30	WGCB-TV	RED LION PA	115.7	CP	BPCDT	-19991130AAQ
30	WGCB-DT	RED LION PA	115.7	PLN	DTVPLN	-DTVP0800
14	WTSD	WILMINGTON DE	0.3	APP	USERRECORD-01	

Total scenarios = 1

Result key: 15
Scenario 1 Affected station 6
Before Analysis

Results for: 15N PA PHILADELPHIA	BPTTL	20001012ABB	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	881539	419.2	
not affected by terrain losses	881539	419.2	
lost to NTSC IX	525758	291.5	
lost to additional IX by ATV	0	0.0	
lost to all IX	525758	291.5	

Potential Interfering Stations Included in above Scenario 1

29N PA PHILADELPHIA	BLCT	2289	LIC
14N DE WILMINGTON	BLTTA	20031125ACN	LIC

After Analysis

Results for: 15N PA PHILADELPHIA BPTTL 20001012ABB CP
 POPULATION AREA (sq km)
 within Noise Limited Contour 881539 419.2
 not affected by terrain losses 881539 419.2
 lost to NTSC IX 525758 291.5
 lost to additional IX by ATV 0 0.0
 lost to all IX 525758 291.5

Potential Interfering Stations Included in above Scenario 1

29N PA PHILADELPHIA BLCT 2289 LIC
 14N DE WILMINGTON USERRECORD01 APP
 *Percent new DTV interference without proposal: 59.6 BPTTL 20001012ABB
 *Percent new DTV interference with proposal: 59.6 BPTTL 20001012ABB

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	WNEPTV	SCRANTON PA	DTVPLN	-NPLN0964

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WLYHTV	LANCASTER PA	113.8	PLN	DTVPLN	-NPLN0931
16	WJAL-DT	HAGERSTOWN MD	227.8	PLN	DTVPLN	-DTVP0223
16	WBOCTV	SALISBURY MD	298.3	PLN	DTVPLN	-NPLN0953
16	WXXI-DT	ROCHESTER NY	258.8	PLN	DTVPLN	-DTVP0236
16	WNPETV	WATERTOWN NY	298.1	PLN	DTVPLN	-NPLN0959
16	WSEE-DT	ERIE PA	360.9	PLN	DTVPLN	-DTVP0238
16	WQEX	PITTSBURGH PA	353.8	PLN	DTVPLN	-NPLN0963
17	WIXT-DT	SYRACUSE NY	196.3	PLN	DTVPLN	-DTVP0274
17	WPHLTV	PHILADELPHIA PA	137.6	PLN	DTVPLN	-NPLN1001
18	WNJB-DT	NEW BRUNSWICK NJ	130.8	PLN	DTVPLN	-DTVP0317
18	WETMTV	ELMIRA NY	132.0	PLN	DTVPLN	-NPLN1026
23	WNJS	CAMDEN NJ	183.6	PLN	DTVPLN	-NPLN1182
23	WLYH-DT	LANCASTER PA	113.8	PLN	DTVPLN	-DTVP0539
30	NEW	CORNING NY	121.0	PLN	DTVPLN	-NPLN1385
31	WBISTV	NEW YORK NY	164.6	PLN	DTVPLN	-NPLN1412
31	WOLF-DT	SCRANTON PA	30.6	PLN	DTVPLN	-DTVP0838

Results for: 16N PA SCRANTON DTVPLN NPLN0964 PLN
 POPULATION AREA (sq km)
 within Noise Limited Contour 1934667 25046.8
 not affected by terrain losses 1482939 19497.3
 lost to NTSC IX 129817 1186.0
 lost to additional IX by ATV 9065 96.2
 lost to all IX 138882 1282.2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
16	WNEP-TV	SCRANTON PA	BLCT -2623

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WLYH-TV	LANCASTER PA	113.8	LIC	BLCT -19791019KK
16	WJAL	HAGERSTOWN MD	227.9	APP	BPCDT -19991101ADQ
16	WJAL-DT	HAGERSTOWN MD	227.8	PLN	DTVPLN -DTVP0223
16	WBOC-TV	SALISBURY MD	298.3	LIC	BLCT -20000918ABE
16	WJAL-TV	SILVER SPRING MD	269.7	APP	BPRM -20021003ACN
16	WXXI-TV	ROCHESTER NY	258.8	CP	BPEDT -19990114KF
16	WXXI-DT	ROCHESTER NY	258.8	PLN	DTVPLN -DTVP0236
16	WPBS-TV	WATERTOWN NY	298.1	CP	BPET -20030109AAN
16	WSEE-TV	ERIE PA	360.9	CP	BPCDT -19991101AIR
16	WSEE-DT	ERIE PA	360.9	PLN	DTVPLN -DTVP0238
16	WQEX	PITTSBURGH PA	353.8	APP	BPCT -20030108ABB
16	WQEX	PITTSBURGH PA	353.8	LIC	BLET -19861022KZ
17	WIXT-TV	SYRACUSE NY	196.3	LIC	BLCDT -20030812ABK
17	WIXT-DT	SYRACUSE NY	196.3	PLN	DTVPLN -DTVP0274
17	WPHL-TV	PHILADELPHIA PA	137.6	LIC	BLCT -2611
18	WNJB-DT	NEW BRUNSWICK NJ	130.8	PLN	DTVPLN -DTVP0317
18	WMBC-TV	NEWTON NJ	108.9	CP	BPCDT -19991029AFC
18	WETM-TV	ELMIRA NY	132.0	LIC	BLCT -19980615KE
23	WNJS	CAMDEN NJ	183.6	LIC	BLET -19860630KO
23	WLYH-TV	LANCASTER PA	113.8	LIC	BLCDT -20020528AAN
23	WLYH-DT	LANCASTER PA	113.8	PLN	DTVPLN -DTVP0539
23	WLYH-TV	LANCASTER PA	113.8	CP MOD	BMPCDT -20010924AAK
30	WSKA	CORNING NY	121.0	CP	BPET -19960126KE
31	WPPX	WILMINGTON DE	137.7	APP	BPCT -20020131ABK
31	WPPX	WILMINGTON DE	137.7	CP	BPCDT -19990311KE
31	WPXN-TV	NEW YORK NY	164.6	LIC	BLCT -19860703KH
31	WPXN-TV	NEW YORK NY	164.6	APP	BPCT -19961205KF
31	WSWB	SCRANTON PA	30.6	CP	BPCDT -19980825KK
31	WOLF-DT	SCRANTON PA	30.6	PLN	DTVPLN -DTVP0838
14	WTSD	WILMINGTON DE	137.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
17	WPHLTV	PHILADELPHIA PA	DTVPLN -NPLN1001

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WLYHTV	LANCASTER PA	106.9	PLN	DTVPLN -NPLN0931
16	WBOCTV	SALISBURY MD	174.3	PLN	DTVPLN -NPLN0953
16	WNEPTV	SCRANTON PA	137.6	PLN	DTVPLN -NPLN0964

17	WMHT	SCHENECTADY NY	306.4	PLN	DTVPLN	-NPLN0998
17	WIXT-DT	SYRACUSE NY	329.2	PLN	DTVPLN	-DTVP0274
17	WOST-DT	BLOCK ISLAND RI	332.7	PLN	DTVPLN	-DTVP0279
18	WNJB-DT	NEW BRUNSWICK NJ	89.7	PLN	DTVPLN	-DTVP0317
24	WHSWT	BALTIMORE MD	154.8	PLN	DTVPLN	-NPLN1212
24	WNYE-DT	NEW YORK NY	132.0	PLN	DTVPLN	-DTVP0579
25	WNYETV	NEW YORK NY	132.0	PLN	DTVPLN	-NPLN1254
25	WTVE-DT	READING PA	50.5	PLN	DTVPLN	-DTVP0615
31	WTGI-DT	WILMINGTON DE	38.8	PLN	DTVPLN	-DTVP0815
31	WBISTV	NEW YORK NY	127.8	PLN	DTVPLN	-NPLN1412
32	WHMM	WASHINGTON DC	199.8	PLN	DTVPLN	-NPLN1423
32	WPSG-DT	PHILADELPHIA PA	0.4	PLN	DTVPLN	-DTVP0877

Results for: 17N PA PHILADELPHIA			DTVPLN	NPLN1001	PLN
		POPULATION	AREA (sq km)		
	within Noise Limited Contour	7209334	21375.5		
	not affected by terrain losses	6867866	20367.3		
	lost to NTSC IX	100190	403.3		
	lost to additional IX by ATV	26860	84.7		
	lost to all IX	127050	488.0		

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WPHL-TV	PHILADELPHIA PA	BLCT	-2611

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WLYH-TV	LANCASTER PA	106.9	LIC	BLCT	-19791019KK
16	WBOC-TV	SALISBURY MD	174.3	LIC	BLCT	-20000918ABE
16	WJAL-TV	SILVER SPRING MD	199.9	APP	BPRM	-20021003ACN
16	WNEP-TV	SCRANTON PA	137.6	LIC	BLCT	-2623
17	WMHT	SCHENECTADY NY	306.4	LIC	BLET	-331
17	WIXT-TV	SYRACUSE NY	329.2	LIC	BLCDT	-20030812ABK
17	WIXT-DT	SYRACUSE NY	329.2	PLN	DTVPLN	-DTVP0274
17	WPXQ	BLOCK ISLAND RI	348.0	APP	BPCT	-20020213AAG
17	WOST-DT	BLOCK ISLAND RI	332.7	PLN	DTVPLN	-DTVP0279
17	WPXQ	BLOCK ISLAND RI	332.6	APP	BPCDT	-19991022AAT
18	WNJB-DT	NEW BRUNSWICK NJ	89.7	PLN	DTVPLN	-DTVP0317
18	WMBC-TV	NEWTON NJ	120.9	CP	BPCDT	-19991029AFC
24	WUTB	BALTIMORE MD	154.8	LIC	BLCT	-19860103KG
24	WNYE-TV	NEW YORK NY	132.0	CP	BPEDT	-19991110AAQ
24	WNYE-DT	NEW YORK NY	132.0	PLN	DTVPLN	-DTVP0579
25	WNYE-TV	NEW YORK NY	132.0	LIC	BLET	-19920220KG
25	WTVE-DT	READING PA	50.5	PLN	DTVPLN	-DTVP0615
31	WPPX	WILMINGTON DE	0.3	APP	BPCT	-20020131ABK
31	WTGI-DT	WILMINGTON DE	38.8	PLN	DTVPLN	-DTVP0815
31	WPPX	WILMINGTON DE	0.3	CP	BPCDT	-19990311KE
31	WPXN-TV	NEW YORK NY	127.8	LIC	BLCT	-19860703KH
31	WPXN-TV	NEW YORK NY	127.8	APP	BPCT	-19961205KF
32	WHUT-TV	WASHINGTON DC	199.1	CP	BPET	-20000501AIH
32	WPSG	PHILADELPHIA PA	0.3	CP MOD	BMPCDT	-20020819AAK
32	WPSG-DT	PHILADELPHIA PA	0.4	PLN	DTVPLN	-DTVP0877
32	WQPX	SCRANTON PA	159.8	APP	BPCT	-20020111AAJ
14	WTSD	WILMINGTON DE	0.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
21	WHPTV	HARRISBURG PA	DTVPLN	-NPLN1124

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTMW	ARLINGTON VA	157.3	PLN	DTVPLN	-NPLN0909
20	WDCA	WASHINGTON DC	154.9	PLN	DTVPLN	-NPLN1071
21	WBOC-DT	SALISBURY MD	230.1	PLN	DTVPLN	-DTVP0441
21	WLIW	GARDEN CITY NY	292.6	PLN	DTVPLN	-NPLN1120
21	WRNN-DT	KINGSTON NY	301.6	PLN	DTVPLN	-DTVP0450
21	WXXITV	ROCHESTER NY	315.7	PLN	DTVPLN	-NPLN1121
21	WWTI-DT	WATERTOWN NY	404.1	PLN	DTVPLN	-DTVP0451
21	WFMJTV	YOUNGSTOWN OH	328.0	PLN	DTVPLN	-NPLN1122
21	WVPY-DT	FRONT ROYAL VA	198.4	PLN	DTVPLN	-DTVP0461
21	NEW	VIRGINIA BEACH VA	404.1	PLN	DTVPLN	-NPLN1130
22	WMPT	ANNAPOLIS MD	150.1	PLN	DTVPLN	-NPLN1145
22	WNJS-DT	CAMDEN NJ	185.5	PLN	DTVPLN	-DTVP0496
22	WYOU	SCRANTON PA	125.2	PLN	DTVPLN	-NPLN1154
23	WATMTV	ALTOONA PA	135.5	PLN	DTVPLN	-NPLN1189
23	WLYH-DT	LANCASTER PA	35.5	PLN	DTVPLN	-DTVP0539
24	WHSWTV	BALTIMORE MD	118.0	PLN	DTVPLN	-NPLN1212
24	WATM-DT	ALTOONA PA	135.5	PLN	DTVPLN	-DTVP0582
25	WHAGTV	HAGERSTOWN MD	120.5	PLN	DTVPLN	-NPLN1248
25	WTVE-DT	READING PA	98.7	PLN	DTVPLN	-DTVP0615
28	WFPT-DT	FREDERICK MD	123.3	PLN	DTVPLN	-DTVP0713
28	WBRETV	WILKES-BARRE PA	125.7	PLN	DTVPLN	-NPLN1338
29	WMPB-DT	BALTIMORE MD	99.8	PLN	DTVPLN	-DTVP0747
29	WILF-DT	WILLIAMSPORT PA	97.3	PLN	DTVPLN	-DTVP0762
35	WYBE	PHILADELPHIA PA	142.5	PLN	DTVPLN	-NPLN1506
36	WGPT	OAKLAND MD	231.8	PLN	DTVPLN	-NPLN1521
36	WENYTV	ELMIRA NY	195.6	PLN	DTVPLN	-NPLN1524
36	WITF-DT	HARRISBURG PA	0.1	PLN	DTVPLN	-DTVP1032

Results for: 21N PA HARRISBURG	DTVPLN	NPLN1124	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2025679	19403.8	
not affected by terrain losses	1775332	16676.6	
lost to NTSC IX	34541	614.5	
lost to additional IX by ATV	66751	578.4	
lost to all IX	101292	1192.9	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WHP-TV	HARRISBURG PA	BLCT	-2171

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WFDC-TV	ARLINGTON VA	157.3	CP MOD	BMPCT	-19910730KE

20	WDCA	WASHINGTON DC	154.9	LIC	BLCT	-2091
21	WBOC-TV	SALISBURY MD	230.1	CP MOD	BMPCDT	-20000501ADX
21	WBOC-DT	SALISBURY MD	230.1	PLN	DTVPLN	-DTVP0441
21	WBOC-TV	SALISBURY MD	230.1	APP	BMPCDT	-20031124APT
21	WLIW	GARDEN CITY NY	292.6	LIC	BLET	-20030416AAN
21	WRNN-DT	KINGSTON NY	301.6	PLN	DTVPLN	-DTVP0450
21	WXXI-TV	ROCHESTER NY	315.7	LIC	BLET	-19800813KE
21	WWTI-DT	WATERTOWN NY	404.1	PLN	DTVPLN	-DTVP0451
21	WWTI	WATERTOWN NY	404.1	CP MOD	BMPCDT	-20021018AAF
21	WFMJ-TV	YOUNGSTOWN OH	328.0	LIC	BLCT	-20000322AAT
21	WVPY	FRONT ROYAL VA	198.4	LIC	BLEDT	-20021220ADZ
21	WVPY-DT	FRONT ROYAL VA	198.4	PLN	DTVPLN	-DTVP0461
21	961001XY	VIRGINIA BEACH VA	393.7	APP	BPCT	-19961001XY
21	961001XL	VIRGINIA BEACH VA	393.0	APP	BPCT	-19961001XL
21	960919KO	VIRGINIA BEACH VA	405.3	APP	BPCT	-19960919KO
21	960724LD	VIRGINIA BEACH VA	405.3	APP	BPCT	-19960724LD
21	960404LP	VIRGINIA BEACH VA	402.3	APP	BPCT	-19960404LP
21	960111LA	VIRGINIA BEACH VA	404.1	APP	BPCT	-19960111LA
21	960723KW	VIRGINIA BEACH VA	404.1	APP	BPCT	-19960723KW
21	960724LE	VIRGINIA BEACH VA	394.4	APP	BPCT	-19960724LE
21	960614KI	VIRGINIA BEACH VA	394.4	APP	BPCT	-19960614KI
22	WMPT	ANNAPOLIS MD	150.1	LIC	BLET	-20030903ABE
22	WNJS	CAMDEN NJ	185.5	CP	BPEDT	-20000425AAI
22	WNJS-DT	CAMDEN NJ	185.5	PLN	DTVPLN	-DTVP0496
22	WYOU	SCRANTON PA	125.2	CP	BPCT	-19960711KE
23	WATM-TV	ALTOONA PA	135.5	LIC	BLCT	-19990311KG
23	WLYH-TV	LANCASTER PA	35.5	LIC	BLCDDT	-20020528AAN
23	WLYH-DT	LANCASTER PA	35.5	PLN	DTVPLN	-DTVP0539
23	WLYH-TV	LANCASTER PA	35.5	CP MOD	BMPCDT	-20010924AAK
24	WUTB	BALTIMORE MD	118.0	LIC	BLCT	-19860103KG
24	WATM-TV	ALTOONA PA	135.5	CP	BPCDDT	-19991101AGQ
24	WATM-DT	ALTOONA PA	135.5	PLN	DTVPLN	-DTVP0582
25	WHAG-TV	HAGERSTOWN MD	120.3	CP	BPCT	-20021203ACY
25	WTVE-DT	READING PA	98.7	PLN	DTVPLN	-DTVP0615
28	WFPT	FREDERICK MD	126.4	APP	BMPEDT	-20030609ADG
28	WFPT-DT	FREDERICK MD	123.3	PLN	DTVPLN	-DTVP0713
28	WFPT	FREDERICK MD	123.3	CP	BPEDT	-20000501ABL
28	WBRE-TV	WILKES-BARRE PA	125.7	LIC	BLCT	-19891005KF
29	WMPB-DT	BALTIMORE MD	99.8	PLN	DTVPLN	-DTVP0747
29	WILF	WILLIAMSPORT PA	97.3	CP	BPCDDT	-19980825KJ
29	WILF-DT	WILLIAMSPORT PA	97.3	PLN	DTVPLN	-DTVP0762
35	WYBE	PHILADELPHIA PA	142.7	LIC	BLET	-20030317DRA
36	WGPT	OAKLAND MD	231.8	CP	BPET	-20000502ABG
36	WENY-TV	ELMIRA NY	195.6	LIC	BLCT	-1934
36	WITF-DT	HARRISBURG PA	0.1	PLN	DTVPLN	-DTVP1032
14	WTSD	WILMINGTON DE	142.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WTSD	WILMINGTON DE	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	W14CM	DOVER DE	97.6	LIC	BLTT	-20010803AAR
14	870331LW	BATH NY	301.7	APP	BPCT	-19870331LW
14	WSPX	SYRACUSE NY	368.9	APP	BPRM	-20021108ADJ
14	W14CO	CLARKS SUMMIT, ETC. PA	162.9	LIC	BLTT	-20021007AAL
14	WFDC-TV	ARLINGTON VA	200.1	CP MOD	BMPCT	-19910730KE
14	WHTJ-DT	CHARLOTTESVILLE VA	361.9	PLN	DTVPLN	-DTVP0152
15	WLYH-TV	LANCASTER PA	107.2	LIC	BLCT	-19791019KK
15	WELL-LP	PHILADELPHIA PA	0.3	CP	BPTTL	-20001012ABB
16	WNEP-TV	SCRANTON PA	137.7	LIC	BLCT	-2623
17	WPHL-TV	PHILADELPHIA PA	0.3	LIC	BLCT	-2611
18	WNJB-DT	NEW BRUNSWICK NJ	89.4	PLN	DTVPLN	-DTVP0317
18	WMBC-TV	NEWTON NJ	120.8	CP	BPCDT	-19991029AFC
22	WNJS	CAMDEN NJ	48.3	CP	BPEDT	-20000425AAI
22	WNJS-DT	CAMDEN NJ	48.3	PLN	DTVPLN	-DTVP0496
28	WNBC-DT	NEW YORK NY	127.6	PLN	DTVPLN	-DTVP0719
28	WBRE-TV	WILKES-BARRE PA	137.6	LIC	BLCT	-19891005KF
29	WFME-TV	WEST MILFORD NJ	117.4	CP	BPEDT	-19990205KF
29	WTFX-TV	PHILADELPHIA PA	0.2	LIC	BLCT	-2289

Total scenarios = 1

Result key: 16
 Scenario 1 Affected station 10
 Before Analysis

Results for: 14N DE WILMINGTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	1454774	1293.5
not affected by terrain losses	1424290	1269.6
lost to NTSC IX	1378748	1177.7
lost to additional IX by ATV	0	0.0
lost to all IX	1378748	1177.7

Potential Interfering Stations Included in above Scenario 1

14N DE DOVER	BLTT	20010803AAR	LIC
14N VA ARLINGTON	BMPCT	19910730KE	CP
17N PA PHILADELPHIA	BLCT	2611	LIC
29N PA PHILADELPHIA	BLCT	2289	LIC

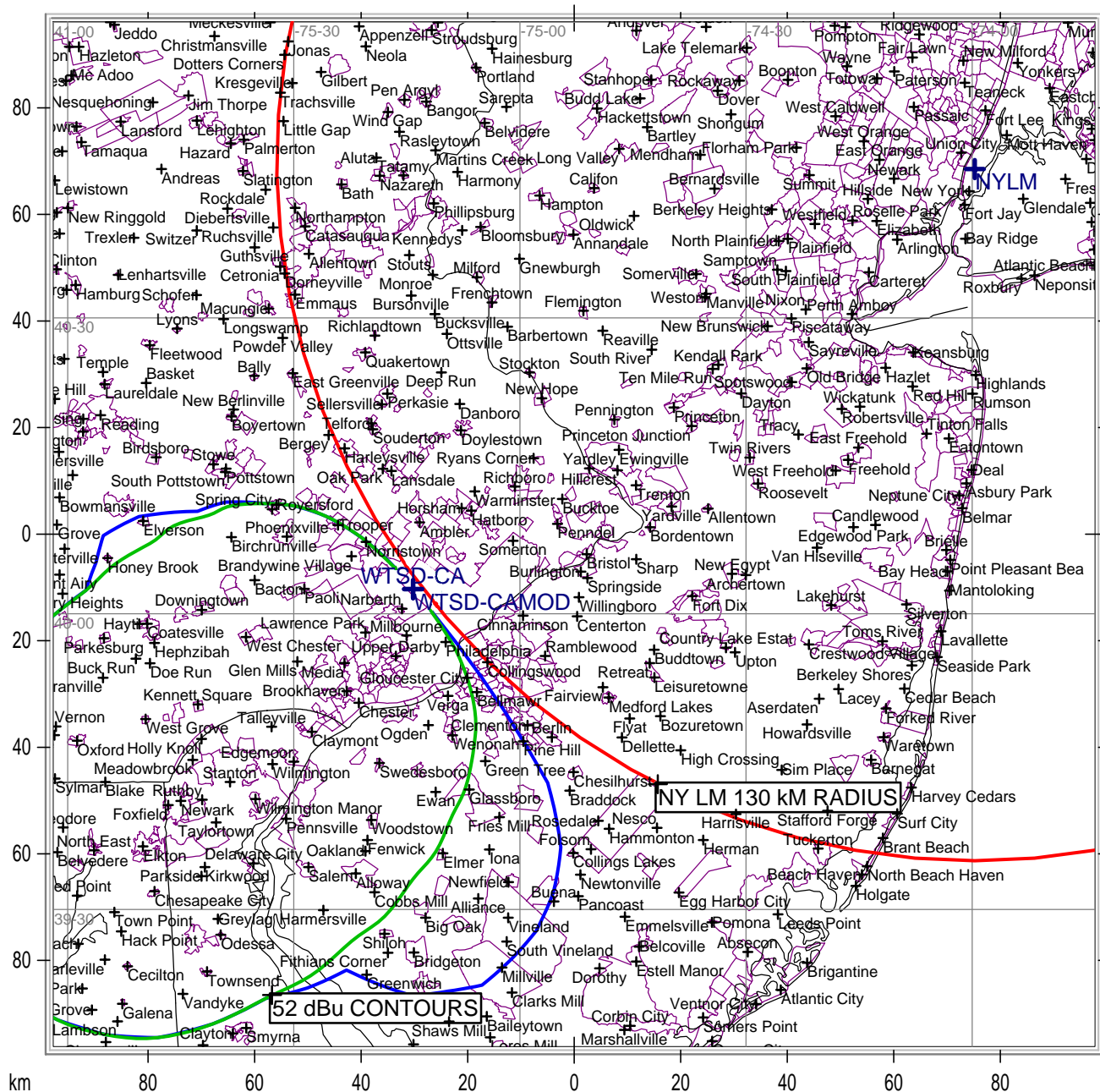
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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

FIGURE 1 NEW YORK LAND MOBILE RADIUS



WTSD-CA LICENSE CONTOUR = GREEN PROPOSED MOD = BLUE



Communications Technologies, Inc. Marlton, New Jersey

State Borders City Borders Lat/Lon Grid

Map Scale: 1:1200000 1 cm = 12.00 km V/H Size: 192.36 x 195.59 km

Figure 2

 State Borders
 Lat/Lon Grid