

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WCVEDT USERRECORD-01 RICHMOND VA US
Channel 42 ERP 436. kW HAAT 346. m RCAMSL 00412 m
Latitude 037-30-44 Longitude 0077-36-04
Status APP Zone 1 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	436.000	349.4	94.6
45.0	436.000	347.6	94.5
90.0	436.000	363.7	95.8
135.0	436.000	354.1	95.0
180.0	436.000	349.1	94.6
225.0	436.000	342.0	94.0
270.0	436.000	321.0	91.8
315.0	436.000	344.3	94.2

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
42	WCVEDT	RICHMOND VA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WAHU-CA	CHARLOTTESVILLE VA	93.6	LIC	BLTTA	-20050124AGC
41	WUTB	BALTIMORE MD	210.5	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	210.5	PLN	DTVPLN	-DTVP1475
42	WMPT	ANNAPOLIS MD	187.6	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	187.6	PLN	DTVPLN	-DTVP1506
42	WRAY-TV	WILSON NC	193.1	LIC	BLCDDT	-20060609AAX
42	WRAY-TV	WILSON NC	193.1	PLN	DTVPLN	-DTVP1509
42	WTFX-TV	PHILADELPHIA PA	347.7	LIC	BLCDDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	347.6	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	347.7	CP	BPCDDT	-20080313ACO
42	WPMY	PITTSBURGH PA	391.2	LIC	BLCDDT	-20060608AAB
42	WPMY	PITTSBURGH PA	391.2	PLN	DTVPLN	-DTVP1515
42	WMSY-TV	MARION VA	355.4	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	355.4	PLN	DTVPLN	-DTVP1521

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WAHU-CA	CHARLOTTESVILLE VA	BLTTA	-20050124AGC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WCAV	CHARLOTTESVILLE VA	0.3	PLN	DTVPLN	-DTVP0705
19	WCAV	CHARLOTTESVILLE VA	0.3	CP	BPCDDT	-20080403ACY
20	WWCW	LYNCHBURG VA	125.1	CP	BPCDDT	-19991028AFD
20	WWCW	LYNCHBURG VA	125.1	PLN	DTVPLN	-DTVP0745
24	WDRL-TV	DANVILLE VA	140.6	PLN	DTVPLN	-DTVP0908
24	WDRL-TV	DANVILLE VA	144.5	APP	BPCDDT	-20080317AIL
25	WTVR-TV	RICHMOND VA	93.5	LIC	BLCDDT	-20021204ABA
25	WTVR-TV	RICHMOND VA	93.5	PLN	DTVPLN	-DTVP0939
26	WRLH-TV	RICHMOND VA	93.5	CP MOD	BMPCDDT	-20040507ABE
26	WRLH-TV	RICHMOND VA	93.5	PLN	DTVPLN	-DTVP0982
27	WETA-TV	WASHINGTON DC	162.8	LIC	BLEDT	-20070727ACJ
27	WETA-TV	WASHINGTON DC	162.8	PLN	DTVPLN	-DTVP0991
27	WCCB	CHARLOTTE NC	362.5	LIC	BLCDDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	362.5	PLN	DTVPLN	-DTVP1004
27	WLFL	RALEIGH NC	256.6	CP	BPCDDT	-20080317AGS
27	WLFL	RALEIGH NC	256.6	PLN	DTVPLN	-DTVP1005
27	WGTW-TV	BURLINGTON NJ	361.9	LIC	BLCDDT	-20060105AAR

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

27	WGTW-TV	BURLINGTON NJ	361.9	PLN	DTVPLN	-DTVP1007
27	WOUB-TV	ATHENS OH	350.9	LIC	BLEDT	-20030411ABC
27	WOUB-TV	ATHENS OH	350.9	PLN	DTVPLN	-DTVP1013
27	WKBN-TV	YOUNGSTOWN OH	388.6	LIC	BLCT	-20061018ACU
27	WHTM-TV	HARRISBURG PA	291.0	LIC	BLCT	-19960626KF
27	WKPT-TV	KINGSPORT TN	366.5	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	366.6	PLN	DTVPLN	-DTVP1017
27	WGNT	PORTSMOUTH VA	220.9	LIC	BMLCT	-20020718AAB
27	WFXR-TV	ROANOKE VA	171.2	LIC	BMLCT	-19940217KE
28	W28BF	HARRISONBURG VA	52.0	LIC	BLTT	-19951011IA
30	WNVTV	GOLDVEIN VA	116.0	LIC	BLEDT	-20031230AAR
30	WNVTV	GOLDVEIN VA	116.0	PLN	DTVPLN	-DTVP1125
41	WHTJ	CHARLOTTESVILLE VA	0.1	LIC	BLET	-19890421KE
42	WVPY	FRONT ROYAL VA	109.4	LIC	BLET	-20070226AEU
42	WCVE-TV	RICHMOND VA	93.6	LIC	BLCDT	-20050606AHG
42	WCVE-TV	RICHMOND VA	93.6	PLN	DTVPLN	-DTVP1522
42	WCVEDT	RICHMOND VA	93.6	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WUTB	BALTIMORE MD	BMPCDT	-20051118ADM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WNUV	BALTIMORE MD	11.0	LIC	BLCDT	-20051011AOI
40	WNUV	BALTIMORE MD	11.0	PLN	DTVPLN	-DTVP1440
41	WKBN-TV	YOUNGSTOWN OH	384.1	CP	BPCDT	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	384.1	PLN	DTVPLN	-DTVP1481
41	WVIA-TV	SCRANTON PA	223.7	LIC	BLEDT	-20010109AAP
41	WVIA-TV	SCRANTON PA	223.7	PLN	DTVPLN	-DTVP1482
42	WMPT	ANNAPOLIS MD	33.5	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	33.5	PLN	DTVPLN	-DTVP1506
42	WTFX-TV	PHILADELPHIA PA	154.8	LIC	BLCDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	154.8	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	154.8	CP	BPCDT	-20080313ACO
42	WCVE-TV	RICHMOND VA	210.4	PLN	DTVPLN	-DTVP1522
42	WCVEDT	RICHMOND VA	210.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WUTB	BALTIMORE MD	DTVPLN	-DTVP1475

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WNUV	BALTIMORE MD	11.0	LIC	BLCDT	-20051011AOI
40	WNUV	BALTIMORE MD	11.0	PLN	DTVPLN	-DTVP1440
41	WKBN-TV	YOUNGSTOWN OH	384.1	CP	BPCDT	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	384.1	PLN	DTVPLN	-DTVP1481
41	WVIA-TV	SCRANTON PA	223.7	LIC	BLEDT	-20010109AAP
41	WVIA-TV	SCRANTON PA	223.7	PLN	DTVPLN	-DTVP1482
42	WMPT	ANNAPOLIS MD	33.5	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	33.5	PLN	DTVPLN	-DTVP1506
42	WTFX-TV	PHILADELPHIA PA	154.8	LIC	BLCDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	154.8	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	154.8	CP	BPCDT	-20080313ACO
42	WCVE-TV	RICHMOND VA	210.4	PLN	DTVPLN	-DTVP1522
42	WCVDT	RICHMOND VA	210.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	BLEDT	-20030903ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	33.5	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	33.5	PLN	DTVPLN	-DTVP1475
42	WSAH	BRIDGEPORT CT	395.5	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	395.5	PLN	DTVPLN	-DTVP1494
42	WRAY-TV	WILSON NC	378.5	LIC	BLCDT	-20060609AAX
42	WRAY-TV	WILSON NC	378.5	PLN	DTVPLN	-DTVP1509
42	WSKG-TV	BINGHAMTON NY	343.7	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	343.7	PLN	DTVPLN	-DTVP1511
42	WTFX-TV	PHILADELPHIA PA	164.1	LIC	BLCDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	164.1	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	164.1	CP	BPCDT	-20080313ACO
42	WPMY	PITTSBURGH PA	333.8	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	333.8	PLN	DTVPLN	-DTVP1515
42	WCVE-TV	RICHMOND VA	187.6	PLN	DTVPLN	-DTVP1522
43	WNJT	TRENTON NJ	217.0	LIC	BLEDT	-20030411AAE
43	WNJT	TRENTON NJ	216.9	PLN	DTVPLN	-DTVP1547
42	WCVDT	RICHMOND VA	187.6	APP	USERRECORD-01	

Total scenarios = 12

Result key: 9
Scenario 9 Affected station 4
Before Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20030903ABC LIC

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

HAAT 289.0 m, ATV ERP 150.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6761240	19528.8
not affected by terrain losses	6743173	19377.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	169705	1630.4
lost to ATV IX only	169705	1630.4
lost to all IX	169705	1630.4

Potential Interfering Stations Included in above Scenario 9

41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
42A PA PHILADELPHIA	DTVPLN	DTVP1514	PLN
42A PA PITTSBURGH	BLCDT	20060608AAB	LIC
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20030903ABC LIC
HAAT 289.0 m, ATV ERP 150.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6761240	19528.8
not affected by terrain losses	6743173	19377.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	199004	1858.2
lost to ATV IX only	199004	1858.2
lost to all IX	199004	1858.2

Potential Interfering Stations Included in above Scenario 9

41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
42A PA PHILADELPHIA	DTVPLN	DTVP1514	PLN
42A PA PITTSBURGH	BLCDT	20060608AAB	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.4457%

Worst case new IX 0.4457% Scenario 9

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	DTVPLN	-DTVP1506

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	33.5	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	33.5	PLN	DTVPLN	-DTVP1475
42	WSAH	BRIDGEPORT CT	395.5	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	395.5	PLN	DTVPLN	-DTVP1494
42	WRAY-TV	WILSON NC	378.5	LIC	BLCDT	-20060609AAX
42	WRAY-TV	WILSON NC	378.5	PLN	DTVPLN	-DTVP1509
42	WSKG-TV	BINGHAMTON NY	343.7	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	343.7	PLN	DTVPLN	-DTVP1511

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

42	WTFX-TV	PHILADELPHIA PA	164.1	LIC	BLCDDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	164.1	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	164.1	CP	BPCDDT	-20080313ACO
42	WPMY	PITTSBURGH PA	333.8	LIC	BLCDDT	-20060608AAB
42	WPMY	PITTSBURGH PA	333.8	PLN	DTVPLN	-DTVP1515
42	WCVE-TV	RICHMOND VA	187.6	PLN	DTVPLN	-DTVP1522
43	WNJT	TRENTON NJ	217.0	LIC	BLEDT	-20030411AAE
43	WNJT	TRENTON NJ	216.9	PLN	DTVPLN	-DTVP1547
42	WCVEDT	RICHMOND VA	187.6	APP	USERRECORD-01	

Total scenarios = 24

Result key: 17
 Scenario 5 Affected station 5
 Before Analysis

Results for: 42A MD ANNAPOLIS DTVPLN DTVP1506 PLN
 HAAT 265.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6930924	21402.8
not affected by terrain losses	6917852	21215.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	153111	1830.2
lost to ATV IX only	153111	1830.2
lost to all IX	153111	1830.2

Potential Interfering Stations Included in above Scenario 5

41A MD BALTIMORE	BMPCDDT	20051118ADM	CP
42A NC WILSON	BLCDDT	20060609AAX	LIC
42A PA PHILADELPHIA	BPCDDT	20080313ACO	CP
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A MD ANNAPOLIS DTVPLN DTVP1506 PLN
 HAAT 265.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6930924	21402.8
not affected by terrain losses	6917852	21215.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	186213	2137.9
lost to ATV IX only	186213	2137.9
lost to all IX	186213	2137.9

Potential Interfering Stations Included in above Scenario 5

41A MD BALTIMORE	BMPCDDT	20051118ADM	CP
42A NC WILSON	BLCDDT	20060609AAX	LIC
42A PA PHILADELPHIA	BPCDDT	20080313ACO	CP
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.4893%

Worst case new IX 0.4893% Scenario 5

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WRAY-TV	WILSON NC	BLCDT	-20060609AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	378.5	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	378.5	PLN	DTVPLN	-DTVP1506
42	WMSY-TV	MARION VA	326.3	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	326.3	PLN	DTVPLN	-DTVP1521
42	WCVE-TV	RICHMOND VA	193.1	PLN	DTVPLN	-DTVP1522
43	WLXI-TV	GREENSBORO NC	151.1	CP MOD	BMPCDT	-20020201AAN
43	WLXI-TV	GREENSBORO NC	151.1	PLN	DTVPLN	-DTVP1545
43	WLXI-TV	GREENSBORO NC	151.1	LIC	BLCDT	-20060630ADU
42	WCVEDT	RICHMOND VA	193.1	APP	USERRECORD-01	

Total scenarios = 6

Result key: 37

Scenario 1 Affected station 6

Before Analysis

Results for: 42A NC WILSON BLCDT 20060609AAX LIC

HAAT 539.0 m, ATV ERP 873.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2210774	33823.7
not affected by terrain losses	2207350	33671.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	44589	1501.1
lost to ATV IX only	44589	1501.1
lost to all IX	44589	1501.1

Potential Interfering Stations Included in above Scenario 1

42A VA MARION	BLEDT	20030428ABS	LIC
43A NC GREENSBORO	BMPCDT	20020201AAN	CP
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A NC WILSON BLCDT 20060609AAX LIC

HAAT 539.0 m, ATV ERP 873.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2210774	33823.7
not affected by terrain losses	2207350	33671.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54116	1886.5
lost to ATV IX only	54116	1886.5
lost to all IX	54116	1886.5

Potential Interfering Stations Included in above Scenario 1

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

42A VA MARION	BLEDT	20030428ABS	LIC
43A NC GREENSBORO	BMPCDT	20020201AAN	CP
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.4405%

Worst case new IX 0.4405% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WRAY-TV	WILSON NC	DTVPLN	-DTVP1509

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	378.5	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	378.5	PLN	DTVPLN	-DTVP1506
42	WMSY-TV	MARION VA	326.3	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	326.3	PLN	DTVPLN	-DTVP1521
42	WCVE-TV	RICHMOND VA	193.1	PLN	DTVPLN	-DTVP1522
43	WLXI-TV	GREENSBORO NC	151.1	CP MOD	BMPCDT	-20020201AAN
43	WLXI-TV	GREENSBORO NC	151.1	PLN	DTVPLN	-DTVP1545
43	WLXI-TV	GREENSBORO NC	151.1	LIC	BLCDT	-20060630ADU
42	WCVEDT	RICHMOND VA	193.1	APP	USERRECORD-01	

Total scenarios = 6

Result key: 43

Scenario 1 Affected station 7

Before Analysis

Results for: 42A NC WILSON DTVPLN DTVP1509 PLN

HAAT 539.0 m, ATV ERP 873.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2210774	33823.7
not affected by terrain losses	2207350	33671.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	44589	1501.1
lost to ATV IX only	44589	1501.1
lost to all IX	44589	1501.1

Potential Interfering Stations Included in above Scenario 1

42A VA MARION	BLEDT	20030428ABS	LIC
43A NC GREENSBORO	BMPCDT	20020201AAN	CP
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A NC WILSON DTVPLN DTVP1509 PLN

HAAT 539.0 m, ATV ERP 873.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2210774	33823.7

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

not affected by terrain losses	2207350	33671.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54116	1886.5
lost to ATV IX only	54116	1886.5
lost to all IX	54116	1886.5

Potential Interfering Stations Included in above Scenario 1

42A VA MARION	BLEDT	20030428ABS	LIC
43A NC GREENSBORO	BMPCDT	20020201AAN	CP
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.4405%

Worst case new IX 0.4405% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTXF-TV	PHILADELPHIA PA	BLCDT	-20070914AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	154.8	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-DTVP1475
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-20010109AAP
41	WVIA-TV	SCRANTON PA	137.6	PLN	DTVPLN	-DTVP1482
42	WSAH	BRIDGEPORT CT	231.6	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	231.6	PLN	DTVPLN	-DTVP1494
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	164.1	PLN	DTVPLN	-DTVP1506
42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	232.3	PLN	DTVPLN	-DTVP1511
42	WPMY	PITTSBURGH PA	407.3	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	407.3	PLN	DTVPLN	-DTVP1515
42	WCVE-TV	RICHMOND VA	347.6	PLN	DTVPLN	-DTVP1522
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-20030411AAE
43	WNJT	TRENTON NJ	53.9	PLN	DTVPLN	-DTVP1547
42	WCVEDT	RICHMOND VA	347.7	APP	USERRECORD-01	

Total scenarios = 64

Result key: 49

Scenario 1 Affected station 8

Before Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20070914AAK LIC

HAAT 282.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8281462	23360.5
not affected by terrain losses	7996884	22714.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	526137	1711.9

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lost to ATV IX only	526137	1711.9
lost to all IX	526137	1711.9

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A PA PHILADELPHIA BLCDDT 20070914AAK LIC

HAAT 282.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8281462	23360.5
not affected by terrain losses	7996884	22714.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	526091	1707.9
lost to ATV IX only	526091	1707.9
lost to all IX	526091	1707.9

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = -0.0006%

Worst case new IX -0.0006% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTXF-TV	PHILADELPHIA PA	DTVPLN	-DTVP1514

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	154.8	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-DTVP1475
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-20010109AAP
41	WVIA-TV	SCRANTON PA	137.6	PLN	DTVPLN	-DTVP1482
42	WSAH	BRIDGEPORT CT	231.6	LIC	BLCDDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	231.6	PLN	DTVPLN	-DTVP1494
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	164.1	PLN	DTVPLN	-DTVP1506

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42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	232.3	PLN	DTVPLN	-DTVP1511
42	WPMY	PITTSBURGH PA	407.3	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	407.3	PLN	DTVPLN	-DTVP1515
42	WCVE-TV	RICHMOND VA	347.6	PLN	DTVPLN	-DTVP1522
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-20030411AAE
43	WNJT	TRENTON NJ	54.0	PLN	DTVPLN	-DTVP1547
42	WCVEDT	RICHMOND VA	347.6	APP	USERRECORD-01	

Total scenarios = 64

Result key: 113
 Scenario 1 Affected station 9
 Before Analysis

Results for: 42A PA PHILADELPHIA DTVPLN DTVP1514 PLN
 HAAT 347.0 m, ATV ERP 273.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8516637	24989.5
not affected by terrain losses	8307867	24267.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	641726	1806.9
lost to ATV IX only	641726	1806.9
lost to all IX	641726	1806.9

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC

After Analysis

Results for: 42A PA PHILADELPHIA DTVPLN DTVP1514 PLN
 HAAT 347.0 m, ATV ERP 273.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8516637	24989.5
not affected by terrain losses	8307867	24267.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	641726	1806.9
lost to ATV IX only	641726	1806.9
lost to all IX	641726	1806.9

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.0000%

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTFX-TV	PHILADELPHIA PA	BPCDT	-20080313ACO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	154.8	CP MOD	BMPCDT	-20051118ADM
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-DTVP1475
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-20010109AAP
41	WVIA-TV	SCRANTON PA	137.6	PLN	DTVPLN	-DTVP1482
42	WSAH	BRIDGEPORT CT	231.6	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	231.6	PLN	DTVPLN	-DTVP1494
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	164.1	PLN	DTVPLN	-DTVP1506
42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	232.3	PLN	DTVPLN	-DTVP1511
42	WPMY	PITTSBURGH PA	407.3	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	407.3	PLN	DTVPLN	-DTVP1515
42	WCVE-TV	RICHMOND VA	347.6	PLN	DTVPLN	-DTVP1522
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-20030411AAE
43	WNJT	TRENTON NJ	53.9	PLN	DTVPLN	-DTVP1547
42	WCVETD	RICHMOND VA	347.7	APP	USERRECORD-01	

Total scenarios = 64

Result key: 177

Scenario 1 Affected station 10

Before Analysis

Results for: 42A PA PHILADELPHIA BPCDT 20080313ACO CP

HAAT 343.0 m, ATV ERP 260.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8485258	24823.9
not affected by terrain losses	8270385	24081.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	602610	1710.0
lost to ATV IX only	602610	1710.0
lost to all IX	602610	1710.0

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 42A PA PHILADELPHIA BPCDT 20080313ACO CP
HAAT 343.0 m, ATV ERP 260.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8485258	24823.9
not affected by terrain losses	8270385	24081.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	602610	1710.0
lost to ATV IX only	602610	1710.0
lost to all IX	602610	1710.0

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BMPCDT	20051118ADM	CP
41A PA SCRANTON	BLEDT	20010109AAP	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20030411AAE	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WPMY	PITTSBURGH PA	BLCDT	-20060608AAB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WKBN-TV	YOUNGSTOWN OH	82.5	CP	BPCDT	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	82.5	PLN	DTVPLN	-DTVP1481
42	WMPT	ANNAPOLIS MD	333.8	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	333.8	PLN	DTVPLN	-DTVP1506
42	WSKG-TV	BINGHAMTON NY	381.0	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	381.0	PLN	DTVPLN	-DTVP1511
42	WGGN-TV	SANDUSKY OH	215.7	APP	BMPCDT	-20071213AAS
42	WGGN-TV	SANDUSKY OH	254.5	PLN	DTVPLN	-DTVP1512
42	WGGN-TV	SANDUSKY OH	254.5	CP MOD	BMPCDT	-20000501AIZ
42	WTFX-TV	PHILADELPHIA PA	407.3	LIC	BLCDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	407.3	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	407.3	CP	BPCDT	-20080313ACO
42	WMSY-TV	MARION VA	421.1	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	421.1	PLN	DTVPLN	-DTVP1521
42	WCVE-TV	RICHMOND VA	391.1	PLN	DTVPLN	-DTVP1522
43	WPGH-TV	PITTSBURGH PA	0.0	CP MOD	BMPCDT	-20021216AAS
43	WPGH-TV	PITTSBURGH PA	0.0	PLN	DTVPLN	-DTVP1552
43	WPGH-TV	PITTSBURGH PA	0.0	LIC	BLCDT	-20021216AAT
42	WCVDT	RICHMOND VA	391.2	APP	USERRECORD-01	

Proposal causes no interference

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WPMY	PITTSBURGH PA	DTVPLN	-DTVP1515

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WKBN-TV	YOUNGSTOWN OH	82.5	CP	BPCDT	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	82.5	PLN	DTVPLN	-DTVP1481
42	WMPT	ANNAPOLIS MD	333.8	LIC	BLEDT	-20030903ABC
42	WMPT	ANNAPOLIS MD	333.8	PLN	DTVPLN	-DTVP1506
42	WSKG-TV	BINGHAMTON NY	381.0	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	381.0	PLN	DTVPLN	-DTVP1511
42	WGGN-TV	SANDUSKY OH	215.7	APP	BMPCDT	-20071213AAS
42	WGGN-TV	SANDUSKY OH	254.5	PLN	DTVPLN	-DTVP1512
42	WGGN-TV	SANDUSKY OH	254.5	CP MOD	BMPCDT	-20000501AIZ
42	WTFX-TV	PHILADELPHIA PA	407.3	LIC	BLCDT	-20070914AAK
42	WTFX-TV	PHILADELPHIA PA	407.3	PLN	DTVPLN	-DTVP1514
42	WTFX-TV	PHILADELPHIA PA	407.3	CP	BPCDT	-20080313ACO
42	WMSY-TV	MARION VA	421.1	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	421.1	PLN	DTVPLN	-DTVP1521
42	WCVE-TV	RICHMOND VA	391.1	PLN	DTVPLN	-DTVP1522
43	WPGH-TV	PITTSBURGH PA	0.0	CP MOD	BMPCDT	-20021216AAS
43	WPGH-TV	PITTSBURGH PA	0.0	PLN	DTVPLN	-DTVP1552
43	WPGH-TV	PITTSBURGH PA	0.0	LIC	BLCDT	-20021216AAT
42	WCVEDT	RICHMOND VA	391.2	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WMSY-TV	MARION VA	BLEDT	-20030428ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WETP-TV	SNEEDVILLE TN	157.1	LIC	BLEDT	-20050916AAX
41	WETP-TV	SNEEDVILLE TN	157.1	PLN	DTVPLN	-DTVP1484
41	WCHS-TV	CHARLESTON WV	170.4	LIC	BLCDT	-20050621AAQ
41	WCHS-TV	CHARLESTON WV	170.4	PLN	DTVPLN	-DTVP1489
42	WJBF	AUGUSTA GA	389.5	LIC	BLCDT	-20060615AAV
42	WJBF	AUGUSTA GA	389.5	PLN	DTVPLN	-DTVP1497
42	WKLE	LEXINGTON KY	268.7	LIC	BLEDT	-20060926AJQ
42	WKLE	LEXINGTON KY	268.7	PLN	DTVPLN	-DTVP1503
42	WRAY-TV	WILSON NC	326.3	LIC	BLCDT	-20060609AAX
42	WRAY-TV	WILSON NC	326.3	PLN	DTVPLN	-DTVP1509
42	WPMY	PITTSBURGH PA	421.1	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	421.1	PLN	DTVPLN	-DTVP1515
42	WFLI-TV	CLEVELAND TN	384.7	LIC	BLCDT	-20050808AGH

WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

42	WFLI-TV	CLEVELAND TN	384.7	PLN	DTVPLN	-DTVP1516
42	WCVE-TV	RICHMOND VA	355.4	PLN	DTVPLN	-DTVP1522
43	WLXI-TV	GREENSBORO NC	192.0	CP MOD	BMPCDT	-20020201AAN
43	WLXI-TV	GREENSBORO NC	192.0	PLN	DTVPLN	-DTVP1545
43	WLXI-TV	GREENSBORO NC	192.0	LIC	BLCDT	-20060630ADU
43	WRET-TV	SPARTANBURG SC	225.4	LIC	BLEDT	-20050324ACD
43	WRET-TV	SPARTANBURG SC	225.4	PLN	DTVPLN	-DTVP1554
42	WCVEDT	RICHMOND VA	355.4	APP	USERRECORD-01	

Total scenarios = 16

Result key: 241
 Scenario 1 Affected station 13
 Before Analysis

Results for: 42A VA MARION BLEDT 20030428ABS LIC
 HAAT 448.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	784425	25279.9
not affected by terrain losses	499442	17284.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5486	200.7
lost to ATV IX only	5486	200.7
lost to all IX	5486	200.7

Potential Interfering Stations Included in above Scenario 1

41A TN SNEEDVILLE	BLEDT	20050916AAX	LIC
42A KY LEXINGTON	BLEDT	20060926AJQ	LIC
42A NC WILSON	BLCDT	20060609AAX	LIC
42A TN CLEVELAND	BLCDT	20050808AGH	LIC
42A VA RICHMOND	DTVPLN	DTVP1522	PLN

After Analysis

Results for: 42A VA MARION BLEDT 20030428ABS LIC
 HAAT 448.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	784425	25279.9
not affected by terrain losses	499442	17284.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5486	200.7
lost to ATV IX only	5486	200.7
lost to all IX	5486	200.7

Potential Interfering Stations Included in above Scenario 1

41A TN SNEEDVILLE	BLEDT	20050916AAX	LIC
42A KY LEXINGTON	BLEDT	20060926AJQ	LIC
42A NC WILSON	BLCDT	20060609AAX	LIC
42A TN CLEVELAND	BLCDT	20050808AGH	LIC
42A VA RICHMOND	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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WCVE-DT, Richmond, VA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WCVEDT	RICHMOND VA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WUTB	BALTIMORE MD	210.5	CP MOD	BMPCDT -20051118ADM
41	WUTB	BALTIMORE MD	210.5	PLN	DTVPLN -DTVP1475
42	WMPT	ANNAPOLIS MD	187.6	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	187.6	PLN	DTVPLN -DTVP1506
42	WRAY-TV	WILSON NC	193.1	LIC	BLCDT -20060609AAX
42	WRAY-TV	WILSON NC	193.1	PLN	DTVPLN -DTVP1509
42	WTXF-TV	PHILADELPHIA PA	347.7	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	347.6	PLN	DTVPLN -DTVP1514
42	WTXF-TV	PHILADELPHIA PA	347.7	CP	BPCDT -20080313ACO
42	WPMY	PITTSBURGH PA	391.2	LIC	BLCDT -20060608AAB
42	WPMY	PITTSBURGH PA	391.2	PLN	DTVPLN -DTVP1515
42	WMSY-TV	MARION VA	355.4	LIC	BLEDT -20030428ABS
42	WMSY-TV	MARION VA	355.4	PLN	DTVPLN -DTVP1521

Total scenarios = 12

Result key: 273

Scenario 1 Affected station 15

Before Analysis

Results for: 42A VA RICHMOND USERRECORD01 APP
HAAT 346.0 m, ATV ERP 436.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1494233	27579.3
not affected by terrain losses	1492305	27518.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54519	1725.0
lost to ATV IX only	54519	1725.0
lost to all IX	54519	1725.0

Potential Interfering Stations Included in above Scenario 1

42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NC WILSON	BLCDT	20060609AAX	LIC
42A PA PHILADELPHIA	BLCDT	20070914AAK	LIC

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