

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-30-2013 Time: 13:43:56

Record Selected for Analysis

WCKV USERRECORD-01 US
Channel 30 ERP 12.9 kW HAAT 43. m RCAMSL 00199 m FULL SERVICE MASK
Latitude 036-33-31 Longitude 0087-19-20
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	12.900	39.8	31.384
45.0	12.900	42.1	32.055
90.0	12.900	42.7	32.198
135.0	12.900	33.0	29.380
180.0	12.900	52.1	34.604
225.0	12.900	61.2	36.407
270.0	12.900	33.0	29.380
315.0	12.900	45.6	33.002

Database HAAT does not agree with computed HAAT
Database HAAT: 43 Computed HAAT: 44

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

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

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
30	WCKV		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WNTU-LP	NASHVILLE TN	65.5	LIC	BLTTL	-20001018ABZ
29	NEW	BOWLING GREEN KY	116.6	APP	BNPDTL	-20090825BHZ
29	NEW	GLASGOW KY	134.3	APP	BNPDTL	-20090825AQM
29	W29DM-D	LEWISBURG TN	132.3	LIC	BLDTL	-20120628ABM
29	WIIW-LD	NASHVILLE TN	57.1	CP	BDISDTL	-20110831ABK
30	WIAT	BIRMINGHAM AL	344.9	LIC	BLCDT	-20021219AAV
30	K30MF-D	JONESBORO AR	329.1	CP	BNPDTL	-20100519AAK
30	WEDK-LD	EFFINGHAM IL	294.6	CP MOD	BMPDTL	-20111006ACR
30	W30DO-D	BRAZIL IN	292.5	CP	BNPDTL	-20100510AFI
30	WKOH	OWENSBORO KY	143.8	LIC	BLEDT	-20020304ALJ
30	K30NE-D	CAPE GIRARDEAU MO	247.4	CP	BNPDTL	-20100907ACB
30	W30DV-D	AUBURN MS	280.0	CP	BNPDTL	-20100510AFY
30	NEW	TUPELO MS	276.1	APP	BNPDTL	-20100512AIM
30	W30DP-D	ALGOOD TN	174.7	CP	BNPDTL	-20100609AFX
30	WVLT-TV	KNOXVILLE TN	308.0	LIC	BLCDT	-20120103ABR
30	W30DC-D	LEXINGTON TN	149.2	CP	BNPDTL	-20090825BAK
30	W30DF-D	OLIVE HILL TN	164.3	CP	BNPDTL	-20090826ACJ
31	NEW	EVANSVILLE IN	143.8	APP	BNPDTL	-20090825AXM
31	NEW	EVANSVILLE IN	143.8	APP	BNPDTL	-20090825AZX
31	WJDE-LD	NASHVILLE TN	65.5	LIC	BLDTA	-20110627AAU
34	W34DB	LEWISBURG TN	132.3	LIC	BLTTL	-20050309ABL
34	WJNK-LP	NASHVILLE TN	57.1	LIC	BLTTL	-20050815ADG

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	WNTU-LP	NASHVILLE TN	BLTTL	-20001018ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WKYU-TV	BOWLING GREEN KY	104.6	LIC	BLEDT	-20040803AAG
22	WCTE	COOKEVILLE TN	128.8	LIC	BLEDT	-20110413ACS
23	WNAB	NASHVILLE TN	11.2	LIC	BLCDT	-20040712AAO
25	WTVF-DR	NASHVILLE TN	11.6	APP	BPFS	-20100830ACL
25	WIIW-LD	NASHVILLE TN	0.0	CP MOD	BMPDTL	-20100312ACS
25	WTVF	NASHVILLE TN	11.6	LIC	BLCDT	-20120913AAW
26	WTJP-TV	GADSDEN AL	262.8	LIC	BLCDT	-20110304ACB
26	WLKY	LOUISVILLE KY	259.1	LIC	BLCDT	-20030129AFL
26	WATE-TV	KNOXVILLE TN	255.4	LIC	BMLCDT	-20041203AEG
27	WKRN-TV	NASHVILLE TN	13.7	LIC	BLCDT	-20090624ABO
33	WPGD-DR	HENDERSONVILLE TN	11.7	APP	BPRM	-20080620AIV
33	WPGD-TV	HENDERSONVILLE TN	11.7	LIC	BLCDT	-20090701AAZ

30 WCKV
Proposal causes no interference

65.5 APP USERRECORD-01

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	NEW	BOWLING GREEN KY	BNPDTL -20090825BHZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	WTVW	EVANSVILLE IN	129.1	LIC	BLCDT -20070612ABZ
29	WTTK	KOKOMO IN	296.8	LIC	BLCDT -20090930ABD
29	NEW	GLASGOW KY	31.2	APP	BNPDTL -20090825AQM
29	WXIX-TV	NEWPORT KY	261.3	LIC	BLCDT -20000908ABI
29	WTCI	CHATTANOOGA TN	241.7	LIC	BLEDT -20060629ACO
29	WKNO	MEMPHIS TN	390.2	LIC	BLEDT -20060627ABE
29	WIIW-LD	NASHVILLE TN	114.5	CP	BDISDTL -20110831ABK
29	WCYB-DR	BRISTOL VA	382.9	APP	BPRM -20110526AJ0
30	WKOH	OWENSBORO KY	114.5	LIC	BLEDT -20020304ALJ
30	WCKV		116.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	NEW	GLASGOW KY	BNPDTL -20090825AQM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WTTK	KOKOMO IN	309.4	LIC	BLCDT -20090930ABD
29	NEW	BOWLING GREEN KY	31.2	APP	BNPDTL -20090825BHZ
29	WXIX-TV	NEWPORT KY	256.2	LIC	BLCDT -20000908ABI
29	WTCI	CHATTANOOGA TN	220.7	LIC	BLEDT -20060629ACO
29	WIIW-LD	NASHVILLE TN	118.6	CP	BDISDTL -20110831ABK
29	WCYB-DR	BRISTOL VA	352.3	APP	BPRM -20110526AJ0
30	WCKV		134.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	W29DM-D	LEWISBURG TN	BLDTL -20120628ABM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WBIH	SELMA AL	323.3	LIC	BLCDT -20090619AAY
29	WMJN-LP	SOMERVILLE AL	104.2	LIC	BLTTL -20040126AGA
29	WMJN-LP	SOMERVILLE AL	104.2	CP	BDFCDTL -20120516AAU
29	NEW	GLASGOW KY	198.5	APP	BNPDTL -20090825AQM

29	WTCI	CHATTANOOGA TN	139.4	LIC	BLEDT	-20060629ACO
29	WKNO	MEMPHIS TN	277.0	LIC	BLEDT	-20060627ABE
29	WIIW-LD	NASHVILLE TN	91.1	CP	BDISDTL	-20110831ABK
30	WCKV		132.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	WIIW-LD	NASHVILLE TN	BDISDTL	-20110831ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WJNK-LP	NASHVILLE TN	0.0	CP	BDISDTL	-20090813ADC
29	WMJN-LP	SOMERVILLE AL	195.3	LIC	BLTTL	-20040126AGA
29	WMJN-LP	SOMERVILLE AL	195.3	CP	BDFCDTL	-20120516AAU
29	NEW	BOWLING GREEN KY	114.5	APP	BNPDTL	-20090825BHZ
29	NEW	GLASGOW KY	118.6	APP	BNPDTL	-20090825AQM
29	WXIX-TV	NEWPORT KY	373.8	LIC	BLCDT	-20000908ABI
29	WTCI	CHATTANOOGA TN	180.5	LIC	BLEDT	-20060629ACO
29	W29DM-D	LEWISBURG TN	91.1	LIC	BLDTL	-20120628ABM
29	WKNO	MEMPHIS TN	299.9	LIC	BLEDT	-20060627ABE
30	WCKV		57.1	APP	USERRECORD-01	

Total scenarios = 5

Result key: 1
Scenario 1 Affected station 5
Before Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2964	95.5
lost to ATV IX only	2964	95.5
lost to all IX	2964	95.5

Potential Interfering Stations Included in above Scenario 1

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC

After Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4181	106.3
lost to ATV IX only	4181	106.3
lost to all IX	4181	106.3

Potential Interfering Stations Included in above Scenario 1

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC
30A	USERRECORD01		APP

Percent new IX = 0.1096%

Result key: 2
 Scenario 2 Affected station 5
 Before Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
 HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10759	272.6
lost to ATV IX only	10759	272.6
lost to all IX	10759	272.6

Potential Interfering Stations Included in above Scenario 2

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY BOWLING GREEN	BNPDTL	20090825BHZ	APP
29A KY GLASGOW	BNPDTL	20090825AQM	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC

After Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
 HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11976	283.4
lost to ATV IX only	11976	283.4
lost to all IX	11976	283.4

Potential Interfering Stations Included in above Scenario 2

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY BOWLING GREEN	BNPDTL	20090825BHZ	APP
29A KY GLASGOW	BNPDTL	20090825AQM	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC
30A	USERRECORD01		APP

Percent new IX = 0.1104%

Result key: 3
 Scenario 3 Affected station 5
 Before Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
 HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3651	121.0

lost to ATV IX only	3651	121.0
lost to all IX	3651	121.0

Potential Interfering Stations Included in above Scenario 3

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY BOWLING GREEN	BNPDTL	20090825BHZ	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC

After Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4868	131.9
lost to ATV IX only	4868	131.9
lost to all IX	4868	131.9

Potential Interfering Stations Included in above Scenario 3

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY BOWLING GREEN	BNPDTL	20090825BHZ	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC
30A	USERRECORD01		APP

Percent new IX = 0.1097%

Result key: 4
Scenario 4 Affected station 5
Before Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10679	269.6
lost to ATV IX only	10679	269.6
lost to all IX	10679	269.6

Potential Interfering Stations Included in above Scenario 4

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY GLASGOW	BNPDTL	20090825AQM	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC

After Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11896	280.5
lost to ATV IX only	11896	280.5
lost to all IX	11896	280.5

Potential Interfering Stations Included in above Scenario 4

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A KY GLASGOW	BNPDTL	20090825AQM	APP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC
30A	USERRECORD01		APP

Percent new IX = 0.1104%

Result key: 5
 Scenario 5 Affected station 5
 Before Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
 HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2964	95.5
lost to ATV IX only	2964	95.5
lost to all IX	2964	95.5

Potential Interfering Stations Included in above Scenario 5

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC

After Analysis

Results for: 29A TN NASHVILLE BDISDTL 20110831ABK CP
 HAAT 280.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1113068	8959.7
not affected by terrain losses	1112953	8954.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4181	106.3
lost to ATV IX only	4181	106.3
lost to all IX	4181	106.3

Potential Interfering Stations Included in above Scenario 5

28A TN NASHVILLE	BDISDTL	20090813ADC	CP
29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A TN LEWISBURG	BLDTL	20120628ABM	LIC
29A TN MEMPHIS	BLEDT	20060627ABE	LIC
30A	USERRECORD01		APP

Percent new IX = 0.1096%

Worst case new IX 0.1104% Scenario 2

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WIAT	BIRMINGHAM AL	BLCDT -20021219AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WBIH	SELMA AL	105.0	LIC	BLCDDT	-20090619AAY
30	WLGA-DR	OPELIKA AL	228.3	APP	BPRM	-20090722ACP
30	WLGA	OPELIKA AL	228.2	LIC	BLCDDT	-20130222ABT
30	WLBT	JACKSON MS	362.5	LIC	BLCDDT	-20100119AEE
30	WLBT-DR	JACKSON MS	362.5	APP	BPRM	-20090813ADM
30	WVLT-TV	KNOXVILLE TN	381.7	LIC	BLCDDT	-20120103ABR
31	WNCF	MONTGOMERY AL	148.4	LIC	BLCDDT	-20121004AAI
31	WNCF-DR	MONTGOMERY AL	148.4	APP	BPRM	-20110531ATU
31	WGBC	MERIDIAN MS	217.9	LIC	BLCDDT	-20071024AAK
30	WCKV		344.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	K30MF-D	JONESBORO AR	BNPDTL	-20100519AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KLRT-TV	LITTLE ROCK AR	198.1	LIC	BLCDDT	-20020507AAK
30	WKOI	OWENSBORO KY	377.9	LIC	BLEDT	-20020304ALJ
30	K30NE-D	CAPE GIRARDEAU MO	164.4	CP	BNPDTL	-20100907ACB
30	W30DC-D	LEXINGTON TN	214.4	CP	BNPDTL	-20090825BAK
30	WCKV		329.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WEDK-LD	EFFINGHAM IL	BMPDTL	-20111006ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	W29CI-D	SALEM IL	62.1	LIC	BLDTA	-20120913AAP
30	WMBD-TV	PEORIA IL	197.7	LIC	BLCDDT	-20061019ADD
30	W30DO-D	BRAZIL IN	104.4	CP	BNPDTL	-20100510AFI
30	WKOI	OWENSBORO KY	169.2	LIC	BLEDT	-20020304ALJ
30	WRGT-TV	DAYTON OH	379.9	CP	BPCDDT	-20110610ACR
30	WRGT-TV	DAYTON OH	379.9	LIC	BLCDDT	-20050621AAU
30	WCKV		294.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	W30DO-D	BRAZIL IN	BNPDTL	-20100510AFI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WTTK	KOKOMO IN	128.2	LIC	BLCDDT	-20090930ABD
30	WEDK-LD	EFFINGHAM IL	104.4	CP MOD	BMPDTL	-20111006ACR
30	WMBD-TV	PEORIA IL	243.6	LIC	BLCDDT	-20061019ADD
30	W30DI-D	WOLCOTT IN	177.6	CP	BNPDTL	-20100112AEB
30	WKOI	OWENSBORO KY	148.8	LIC	BLEDIT	-20020304ALJ
30	WRGT-TV	DAYTON OH	275.6	CP	BPCDDT	-20110610ACR
30	WRGT-TV	DAYTON OH	275.6	LIC	BLCDDT	-20050621AAU
30	WCKV		292.5	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.
30	WKOI	OWENSBORO KY	BLEDIT	-20020304ALJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WMBD-TV	PEORIA IL	363.1	LIC	BLCDDT	-20061019ADD
30	WRGT-TV	DAYTON OH	338.0	CP	BPCDDT	-20110610ACR
30	WRGT-TV	DAYTON OH	338.0	LIC	BLCDDT	-20050621AAU
30	WVLT-TV	KNOXVILLE TN	363.8	LIC	BLCDDT	-20120103ABR
30	WCKV		143.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 6
Scenario 1 Affected station 10
Before Analysis

Results for: 30A KY OWENSBORO BLEDDT 20020304ALJ LIC

HAAT 124.0 m, ATV ERP 63.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	530694	11500.7
not affected by terrain losses	528954	11406.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	1.0
lost to ATV IX only	2	1.0
lost to all IX	2	1.0

Potential Interfering Stations Included in above Scenario 1

30A OH DAYTON BPCDDT 20110610ACR CP

After Analysis

Results for: 30A KY OWENSBORO BLEDDT 20020304ALJ LIC

HAAT 124.0 m, ATV ERP 63.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	530694	11500.7
not affected by terrain losses	528954	11406.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1353	26.7
lost to ATV IX only	1353	26.7
lost to all IX	1353	26.7

Potential Interfering Stations Included in above Scenario 1

30A OH DAYTON BPCDT 20110610ACR CP
30A USERRECORD01 APP

Percent new IX = 0.2554%

Result key: 7
Scenario 2 Affected station 10
Before Analysis

Results for: 30A KY OWENSBORO BLEDT 20020304ALJ LIC

HAAT 124.0 m, ATV ERP 63.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	530694	11500.7
not affected by terrain losses	528954	11406.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	1.0
lost to ATV IX only	2	1.0
lost to all IX	2	1.0

Potential Interfering Stations Included in above Scenario 2

30A OH DAYTON BLCDT 20050621AAU LIC

After Analysis

Results for: 30A KY OWENSBORO BLEDT 20020304ALJ LIC

HAAT 124.0 m, ATV ERP 63.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	530694	11500.7
not affected by terrain losses	528954	11406.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1353	26.7
lost to ATV IX only	1353	26.7
lost to all IX	1353	26.7

Potential Interfering Stations Included in above Scenario 2

30A OH DAYTON BLCDT 20050621AAU LIC
30A USERRECORD01 APP

Percent new IX = 0.2554%

Worst case new IX 0.2554% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30NE-D	CAPE GIRARDEAU MO	BNPDTL -20100907ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	K30MF-D	JONESBORO AR	164.4	CP	BNPDTL -20100519AAK
30	KLRT-TV	LITTLE ROCK AR	360.2	LIC	BLCDT -20020507AAK
30	WMBD-TV	PEORIA IL	372.0	LIC	BLCDT -20061019ADD
30	WKOI	OWENSBORO KY	238.5	LIC	BLEDT -20020304ALJ
30	W30DC-D	LEXINGTON TN	214.5	CP	BNPDTL -20090825BAK
30	WCKV		247.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DV-D	AUBURN MS	BNPDTL -20100510AFY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WIAT	BIRMINGHAM AL	189.4	LIC	BLCDT -20021219AAV
30	KLRT-TV	LITTLE ROCK AR	358.7	LIC	BLCDT -20020507AAK
30	WLBT	JACKSON MS	281.3	LIC	BLCDT -20100119AEE
30	WLBT-DR	JACKSON MS	281.3	APP	BPRM -20090813ADM
30	NEW	TUPELO MS	4.2	APP	BNPDTL -20100512AIM
30	W30DC-D	LEXINGTON TN	158.8	CP	BNPDTL -20090825BAK
30	W30DF-D	OLIVE HILL TN	115.8	CP	BNPDTL -20090826ACJ
31	NEW	TUPELO MS	4.2	APP	BNPDTL -20100512AIN
30	WCKV		280.0	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.
30	NEW	TUPELO MS	BNPDTL -20100512AIM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WIAT	BIRMINGHAM AL	191.4	LIC	BLCDT -20021219AAV
30	KLRT-TV	LITTLE ROCK AR	358.0	LIC	BLCDT -20020507AAK
30	W30DV-D	AUBURN MS	4.2	CP	BNPDTL -20100510AFY
30	WLBT	JACKSON MS	284.7	LIC	BLCDT -20100119AEE
30	WLBT-DR	JACKSON MS	284.7	APP	BPRM -20090813ADM
30	W30DC-D	LEXINGTON TN	154.6	CP	BNPDTL -20090825BAK
30	W30DF-D	OLIVE HILL TN	112.0	CP	BNPDTL -20090826ACJ
31	NEW	TUPELO MS	0.0	APP	BNPDTL -20100512AIN
30	WCKV		276.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DP-D	ALGOOD TN	BNPDTL -20100609AFX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WTCI	CHATTANOOGA TN	110.3	LIC	BLEDT -20060629ACO
30	WIAT	BIRMINGHAM AL	326.4	LIC	BLCDT -20021219AAV
30	WKOI	OWENSBORO KY	250.2	LIC	BLEDT -20020304ALJ
30	WVLT-TV	KNOXVILLE TN	133.6	LIC	BLCDT -20120103ABR
30	WCKV		174.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WVLT-TV	KNOXVILLE TN	BLCDT	-20120103ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WTCI	CHATTANOOGA TN	148.4	LIC	BLEDT	-20060629ACO
29	WCYB-DR	BRISTOL VA	173.2	APP	BPRM	-20110526AJ0
30	WIAT	BIRMINGHAM AL	381.7	LIC	BLCDT	-20021219AAV
30	WLGA-DR	OPELIKA AL	415.6	APP	BPRM	-20090722ACP
30	WLGA	OPELIKA AL	415.6	LIC	BLCDT	-20130222ABT
30	WAGT	AUGUSTA GA	347.1	LIC	BLCDT	-20030530AON
30	WKOH	OWENSBORO KY	363.8	LIC	BLEDT	-20020304ALJ
30	WRGT-TV	DAYTON OH	415.3	CP	BPCDT	-20110610ACR
30	WRGT-TV	DAYTON OH	415.3	LIC	BLCDT	-20050621AAU
30	WSLS-TV	ROANOKE VA	365.2	LIC	BLCDT	-20110615ABO
31	WDKY-DR	DANVILLE KY	212.0	APP	BPRM	-20080620AOU
31	WDKY-TV	DANVILLE KY	212.0	LIC	BLCDT	-20120308AAK
30	WCKV		308.0	APP	USERRECORD-01	

Total scenarios = 3

Result key: 8
Scenario 1 Affected station 15
Before Analysis

Results for: 30A TN KNOXVILLE BLCDT 20120103ABR LIC

HAAT 551.0 m, ATV ERP 870.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14792	446.4
lost to ATV IX only	14792	446.4
lost to all IX	14792	446.4

Potential Interfering Stations Included in above Scenario 1

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
30A AL BIRMINGHAM	BLCDT	20021219AAV	LIC
30A GA AUGUSTA	BLCDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDT	20110615ABO	LIC

After Analysis

Results for: 30A TN KNOXVILLE BLCDT 20120103ABR LIC

HAAT 551.0 m, ATV ERP 870.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14811	457.2
lost to ATV IX only	14811	457.2
lost to all IX	14811	457.2

Potential Interfering Stations Included in above Scenario 1

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
30A AL BIRMINGHAM	BLCDT	20021219AAV	LIC

30A GA AUGUSTA	BLCDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDT	20110615ABO	LIC
30A	USERRECORD01		APP

Percent new IX = 0.0013%

Result key: 9
 Scenario 2 Affected station 15
 Before Analysis

Results for: 30A TN KNOXVILLE BLCDT 20120103ABR LIC
 HAAT 551.0 m, ATV ERP 870.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24139	711.0
lost to ATV IX only	24139	711.0
lost to all IX	24139	711.0

Potential Interfering Stations Included in above Scenario 2

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A VA BRISTOL	BPRM	20110526AJ0	APP
30A AL BIRMINGHAM	BLCDT	20021219AAV	LIC
30A GA AUGUSTA	BLCDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDT	20110615ABO	LIC

After Analysis

Results for: 30A TN KNOXVILLE BLCDT 20120103ABR LIC
 HAAT 551.0 m, ATV ERP 870.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24158	721.9
lost to ATV IX only	24158	721.9
lost to all IX	24158	721.9

Potential Interfering Stations Included in above Scenario 2

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
29A VA BRISTOL	BPRM	20110526AJ0	APP
30A AL BIRMINGHAM	BLCDT	20021219AAV	LIC
30A GA AUGUSTA	BLCDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDT	20110615ABO	LIC
30A	USERRECORD01		APP

Percent new IX = 0.0013%

Result key: 10
 Scenario 3 Affected station 15
 Before Analysis

Results for: 30A TN KNOXVILLE BLCDT 20120103ABR LIC
 HAAT 551.0 m, ATV ERP 870.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14792	446.4
lost to ATV IX only	14792	446.4
lost to all IX	14792	446.4

Potential Interfering Stations Included in above Scenario 3

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
30A AL BIRMINGHAM	BLCDDT	20021219AAV	LIC
30A GA AUGUSTA	BLCDDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDDT	20110615ABO	LIC

After Analysis

Results for: 30A TN KNOXVILLE BLCDDT 20120103ABR LIC
 HAAT 551.0 m, ATV ERP 870.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1689337	43725.1
not affected by terrain losses	1455365	34971.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14811	457.2
lost to ATV IX only	14811	457.2
lost to all IX	14811	457.2

Potential Interfering Stations Included in above Scenario 3

29A TN CHATTANOOGA	BLEDT	20060629ACO	LIC
30A AL BIRMINGHAM	BLCDDT	20021219AAV	LIC
30A GA AUGUSTA	BLCDDT	20030530AON	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A VA ROANOKE	BLCDDT	20110615ABO	LIC
30A	USERRECORD01		APP

Percent new IX = 0.0013%

Worst case new IX 0.0013% Scenario 2

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DC-D	LEXINGTON TN	BNPDTL -20090825BAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WKNO	MEMPHIS TN	126.2	LIC	BLEDT -20060627ABE
30	WIAT	BIRMINGHAM AL	296.3	LIC	BLCDDT -20021219AAV
30	K30MF-D	JONESBORO AR	214.4	CP	BNPDTL -20100519AAK
30	KLRT-TV	LITTLE ROCK AR	367.0	LIC	BLCDDT -20020507AAK
30	WKOI	OWENSBORO KY	264.4	LIC	BLEDT -20020304ALJ
30	K30NE-D	CAPE GIRARDEAU MO	214.5	CP	BNPDTL -20100907ACB
30	W30DV-D	AUBURN MS	158.8	CP	BNPDTL -20100510AFY
30	NEW	TUPELO MS	154.6	APP	BNPDTL -20100512AIM
30	W30DF-D	OLIVE HILL TN	74.0	CP	BNPDTL -20090826ACJ
31	WLMT	MEMPHIS TN	116.4	LIC	BLCDDT -20050427ABN
30	WCKV		149.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DF-D	OLIVE HILL TN	BNPDTL -20090826ACJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WIAT	BIRMINGHAM AL	223.2	LIC	BLCDT -20021219AAV
30	WKOI	OWENSBORO KY	301.2	LIC	BLEDT -20020304ALJ
30	W30DV-D	AUBURN MS	115.8	CP	BNPDTL -20100510AFY
30	NEW	TUPELO MS	112.0	APP	BNPDTL -20100512AIM
30	WVLT-TV	KNOXVILLE TN	381.0	LIC	BLCDT -20120103ABR
30	W30DC-D	LEXINGTON TN	74.0	CP	BNPDTL -20090825BAK
30	WCKV		164.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	NEW	EVANSVILLE IN	BNPDTL -20090825AXM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WKOI	OWENSBORO KY	0.0	LIC	BLEDT -20020304ALJ
31	NEW	EVANSVILLE IN	0.0	APP	BNPDTL -20090825AZX
31	WKOI-LP	INDIANAPOLIS IN	235.8	LIC	BLTTA -20050708AAW
31	WDKY-DR	DANVILLE KY	263.9	APP	BPRM -20080620AOU
31	WDKY-TV	DANVILLE KY	263.9	LIC	BLCDT -20120308AAK
31	KDNL-TV	ST. LOUIS MO	274.2	LIC	BLCDT -20021216AAE
31	WLMT	MEMPHIS TN	360.2	LIC	BLCDT -20050427ABN
31	WJDE-LD	NASHVILLE TN	193.9	LIC	BLDTA -20110627AAU
32	NEW	EVANSVILLE IN	11.4	APP	BNPDTL -20090825AZT
30	WCKV		143.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	NEW	EVANSVILLE IN	BNPDTL -20090825AZX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WKOI	OWENSBORO KY	0.0	LIC	BLEDT -20020304ALJ
31	NEW	EVANSVILLE IN	0.0	APP	BNPDTL -20090825AXM
31	WKOI-LP	INDIANAPOLIS IN	235.8	LIC	BLTTA -20050708AAW
31	WDKY-DR	DANVILLE KY	263.9	APP	BPRM -20080620AOU
31	WDKY-TV	DANVILLE KY	263.9	LIC	BLCDT -20120308AAK
31	KDNL-TV	ST. LOUIS MO	274.2	LIC	BLCDT -20021216AAE
31	WLMT	MEMPHIS TN	360.2	LIC	BLCDT -20050427ABN
32	NEW	EVANSVILLE IN	11.4	APP	BNPDTL -20090825AZT
30	WCKV		143.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WJDE-LD	NASHVILLE TN	BLDTA -20110627AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WNAL-LD	HUNTSVILLE AL	160.2	CP	BPDTL -20130201BDU
31	NEW	EVANSVILLE IN	193.9	APP	BNPDTL -20090825AXM
31	WDKY-DR	DANVILLE KY	289.8	APP	BPRM -20080620AOU
31	WDKY-TV	DANVILLE KY	289.8	LIC	BLCDDT -20120308AAK
31	DWOOT-LD	CHATTANOOGA TN	173.5	APP	BSTA -20121012AAB
31	WLMT	MEMPHIS TN	288.0	LIC	BLCDDT -20050427ABN
30	WCKV		65.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	W34DB	LEWISBURG TN	BLTTL -20050309ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WKRN-TV	NASHVILLE TN	66.6	LIC	BLCDDT -20090624ABO
32	WAAY-TV	HUNTSVILLE AL	82.5	LIC	BLCDDT -20050701ABO
33	WPGD-DR	HENDERSONVILLE TN	91.1	APP	BPRM -20080620AIV
33	WPGD-TV	HENDERSONVILLE TN	91.1	LIC	BLCDDT -20090701AAZ
34	WHVD-LD	HUNTSVILLE AL	82.5	LIC	BLDTL -20121213AIM
34	WSIL-TV	HARRISBURG IL	304.1	LIC	BLCDDT -20080718AAR
34	WTNZ	KNOXVILLE TN	264.2	LIC	BMLCDDT -20040706ABG
34	WJNK-LP	NASHVILLE TN	91.1	LIC	BLTTL -20050815ADG
36	WNPX-TV	COOKEVILLE TN	91.1	LIC	BLCDDT -20040401ANA
38	WHTN	MURFREESBORO TN	77.6	LIC	BLCDDT -20060627AAY
41	WZDX	HUNTSVILLE AL	82.5	LIC	BLCDDT -20090706AEV
42	WFLI-TV	CLEVELAND TN	139.7	LIC	BLCDDT -20050808AGH
48	WAFF-DR	HUNTSVILLE AL	85.2	APP	BPRM -20080620AOO
48	WAFF	HUNTSVILLE AL	85.2	LIC	BLCDDT -20111216AAC
30	WCKV		132.3	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WJNK-LP	NASHVILLE TN	BLTTL -20050815ADG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WKRN-TV	NASHVILLE TN	24.7	LIC	BLCDDT -20090624ABO

33	WPGD-DR	HENDERSONVILLE TN	0.0	APP	BPRM	-20080620AIV
33	WPGD-TV	HENDERSONVILLE TN	0.0	LIC	BLCDDT	-20090701AAZ
34	WSIL-TV	HARRISBURG IL	237.5	LIC	BLCDDT	-20080718AAR
34	WCET	CINCINNATI OH	375.2	LIC	BLEDT	-20061031AAR
34	WTNZ	KNOXVILLE TN	257.8	LIC	BMLCDDT	-20040706ABG
34	W34DB	LEWISBURG TN	91.1	LIC	BLTTL	-20050309ABL
36	WNPX-TV	COOKEVILLE TN	0.0	LIC	BLCDDT	-20040401ANA
38	WHTN	MURFREESBORO TN	38.7	LIC	BLCDDT	-20060627AAY
42	WKMA-TV	MADISONVILLE KY	120.7	LIC	BMLEDT	-20120608AAJ
48	WKGB-TV	BOWLING GREEN KY	92.4	LIC	BMLEDT	-20120702ACF
30	WCKV		57.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WCKV		USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WIIW-LD	NASHVILLE TN	57.1	CP	BDISDTL -20110831ABK
30	WIAT	BIRMINGHAM AL	344.9	LIC	BLCDDT -20021219AAV
30	WKOI	OWENSBORO KY	143.8	LIC	BLEDT -20020304ALJ
30	WVLT-TV	KNOXVILLE TN	308.0	LIC	BLCDDT -20120103ABR
30	W30DC-D	LEXINGTON TN	149.2	CP	BNPDTL -20090825BAK
31	WJDE-LD	NASHVILLE TN	65.5	LIC	BLDTA -20110627AAU

Total scenarios = 1

Result key: 11
Scenario 1 Affected station 23
Before Analysis

Results for: 30A USERRECORD01 APP
HAAT 43.0 m, ATV ERP 12.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	186574	3432.0
not affected by terrain losses	186562	3428.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	560	19.6
lost to ATV IX only	560	19.6
lost to all IX	560	19.6

Potential Interfering Stations Included in above Scenario 1

29A TN NASHVILLE	BDISDTL	20110831ABK	CP
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC

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