

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: 04-08-2014 Time: 11:49:36

#### Record Selected for Analysis

WKUW USERRECORD-01 US  
Channel 40 ERP 15. kW HAAT 322. m RCAMSL 00506 m FULL SERVICE MASK  
Latitude 036-16-05 Longitude 0086-47-45  
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	15.000	270.6	53.760
45.0	15.000	320.2	56.512
90.0	15.000	348.6	57.962
135.0	15.000	347.0	57.882
180.0	15.000	351.3	58.089
225.0	15.000	354.6	58.248
270.0	15.000	303.3	55.589
315.0	15.000	282.2	54.411

#### Contour Overlap to Proposed Station

Station  
WKUW-LD 40 NASHVILLE TN BPTTL20100915ACD

Station inside contour of Digital LPTV station  
WKUW 40 USERRECORD01

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

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### Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
40	WKUW		USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WNTU-LP	NASHVILLE TN	11.7	LIC	BLTTL	-20001018ABZ
39	WBCF-LD	FLORENCE AL	181.0	LIC	BLDTL	-20110525AEX
39	W39DS-D	EVANSVILLE IN	191.9	CP	BNPDTL	-20100909AAU
39	WCZU-LD	BOWLING GREEN KY	114.5	LIC	BLDTL	-20131211BDW
39	WCZU-LD	BOWLING GREEN KY	107.1	CP MOD	BMPDTL	-20140218AHR
39	WYHB-LP	CHATTANOOGA TN	180.5	LIC	BLTTL	-19980824JC
40	WBMA-LD	BIRMINGHAM AL	314.3	LIC	BLDTL	-20110525ADM
40	W40DL-D	TUSCALOOSA AL	361.2	CP	BNPDTL	-20101012AAU
40	WIRE-CD	ATLANTA GA	357.5	LIC	BLDTA	-20100412AAP
40	WSIU-TV	CARBONDALE IL	269.2	CP	BDRTEDT	-20100830ABJ
40	W40DH-D	EVANSVILLE IN	174.4	CP MOD	BMPDTL	-20111104ABS
40	WTVQ-DT	LEXINGTON KY	289.5	LIC	BLCDDT	-20090519ACB
40	W40BZ	TUPELO MS	285.5	LIC	BLTTL	-20070730ALP
40	W40CW-D	BRYSON CITY NC	320.3	CP	BDISDTT	-20090824ACO
40	W40CW-D	BRYSON CITY NC	320.3	LIC	BLDTT	-20120319AED
40	WDSI-TV	CHATTANOOGA TN	180.6	LIC	BLCDDT	-20051011ABS
41	WZDX	HUNTSVILLE AL	171.9	LIC	BLCDDT	-20090706AEV
41	WKPD	PADUCAH KY	190.8	LIC	BMLEDT	-20120509AEI
41	W41EI-D	ALGOOD TN	123.3	CP	BNPDTL	-20100609AGA
42	WLLC-LP	NASHVILLE TN	11.5	LIC	BLTTL	-20040226AAL

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### 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	BLCDDT	-20040712AAO
25	WIIW-LD	NASHVILLE TN	0.0	CP MOD	BMPDTL	-20100312ACS
25	WTVF-DR	NASHVILLE TN	11.6	APP	BPFS	-20100830ACL
25	WTVF	NASHVILLE TN	11.6	LIC	BLCDDT	-20120913AAW
26	WTJP-TV	GADSDEN AL	262.8	LIC	BLCDDT	-20110304ACB
26	WLKY	LOUISVILLE KY	259.1	LIC	BLCDDT	-20030129AFL
26	WATE-TV	KNOXVILLE TN	255.4	LIC	BMLCDDT	-20041203AEG
27	WKRN-TV	NASHVILLE TN	13.7	LIC	BLCDDT	-20090624ABO
33	WPGD-DR	HENDERSONVILLE TN	11.7	APP	BPRM	-20080620AIV
33	WPGD-TV	HENDERSONVILLE TN	11.7	LIC	BMLCDDT	-20131125BGF

40 WKUW 11.7 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.
39	WBCF-LD	FLORENCE AL	BLDTL	-20110525AEX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WSB-TV	ATLANTA GA	325.1	LIC	BLCDT	-20100129ADE
39	W39CA	FULTON MS	98.8	LIC	BLTTA	-20120809AAZ
39	W39CA	FULTON MS	98.8	CP	BDFCDTA	-20130219ABJ
39	WYHB-LP	CHATTANOOGA TN	222.1	LIC	BLTTL	-19980824JC
39	WJKT	JACKSON TN	170.1	LIC	BLCDT	-20050323AER
40	WKUW		181.0	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.
39	W39DS-D	EVANSVILLE IN	BNPDTL	-20100909AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WAOE	PEORIA IL	350.1	LIC	BLCDT	-20070801EOU
39	WKOI-TV	RICHMOND IN	310.2	LIC	BLCDT	-20130430AAI
39	WAWV-TV	TERRE HAUTE IN	151.1	LIC	BLCDT	-20090618AAW
39	WCZU-LD	BOWLING GREEN KY	132.1	LIC	BLDTL	-20131211BDW
39	WCZU-LD	BOWLING GREEN KY	134.8	CP MOD	BMPDTL	-20140218AHR
39	WLEX-TV	LEXINGTON KY	276.5	LIC	BLCDT	-20050728AOX
39	KETC	ST. LOUIS MO	258.0	LIC	BLEDT	-20090804ABV
39	WJKT	JACKSON TN	271.4	LIC	BLCDT	-20050323AER
40	W40DH-D	EVANSVILLE IN	20.5	CP MOD	BMPDTL	-20111104ABS
40	WKUW		191.9	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.
39	WCZU-LD	BOWLING GREEN KY	BLDTL	-20131211BDW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WHTN	MURFREESBORO TN	126.8	LIC	BLCDT	-20060627AAY

39	W39DS-D	EVANSVILLE IN	132.1	CP	BNPDTL	-20100909AAU
39	WKOI-TV	RICHMOND IN	293.4	LIC	BLCDDT	-20130430AAI
39	WAWV-TV	TERRE HAUTE IN	244.1	LIC	BLCDDT	-20090618AAW
39	WLEX-TV	LEXINGTON KY	191.0	LIC	BLCDDT	-20050728AOX
39	KETC	ST. LOUIS MO	385.7	LIC	BLEDT	-20090804ABV
39	WJKT	JACKSON TN	296.3	LIC	BLCDDT	-20050323AER
40	WKUW		114.5	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.
39	WCZU-LD	BOWLING GREEN KY	BMPDTL -20140218AHR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WHTN	MURFREESBORO TN	119.6	LIC	BLCDDT -20060627AAY
39	W39DS-D	EVANSVILLE IN	134.8	CP	BNPDTL -20100909AAU
39	WKOI-TV	RICHMOND IN	300.6	LIC	BLCDDT -20130430AAI
39	WAWV-TV	TERRE HAUTE IN	250.0	LIC	BLCDDT -20090618AAW
39	WLEX-TV	LEXINGTON KY	196.2	LIC	BLCDDT -20050728AOX
39	KETC	ST. LOUIS MO	386.7	LIC	BLEDT -20090804ABV
39	WYHB-LP	CHATTANOOGA TN	235.9	LIC	BLTTL -19980824JC
39	WJKT	JACKSON TN	291.0	LIC	BLCDDT -20050323AER
40	WKUW		107.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	WYHB-LP	CHATTANOOGA TN	BLTTL -19980824JC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WAAY-TV	HUNTSVILLE AL	125.4	LIC	BLCDDT -20050701ABO
38	DWOOT-LD	CHATTANOOGA TN	7.3	CP	BDCCDTL -20120710ACP
39	WSB-TV	ATLANTA GA	181.2	LIC	BLCDDT -20100129ADE
39	WLEX-TV	LEXINGTON KY	324.0	LIC	BLCDDT -20050728AOX
39	W09AG-D	FRANKLIN NC	154.4	CP	BDISDTT -20090928ACX
39	WMYT-TV	ROCK HILL SC	374.7	LIC	BLCDDT -20090619ACX
39	WJKT	JACKSON TN	351.9	LIC	BLCDDT -20050323AER
40	WDSI-TV	CHATTANOOGA TN	0.4	LIC	BLCDDT -20051011ABS
41	WZDX	HUNTSVILLE AL	125.4	LIC	BLCDDT -20090706AEV
42	WFLI-TV	CLEVELAND TN	0.4	LIC	BLCDDT -20050808AGH
46	WHNT-DR	HUNTSVILLE AL	125.3	APP	BPRM -20080619ALW
40	WKUW		180.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WBMA-LD	BIRMINGHAM AL	BLDTL -20110525ADM

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	W40DI-D	TROY AL	176.1	CP	BNPDTL -20090825ABI
40	W40DL-D	TUSCALOOSA AL	118.9	CP	BNPDTL -20101012AAU
40	WPAN	FORT WALTON BEACH FL	337.9	LIC	BLCDT -20081106AEL
40	WMGT-TV	MACON GA	318.5	LIC	BLCDT -20070112AHJ
40	WDBD	JACKSON MS	354.1	LIC	BLCDT -20090612ADU
40	DWMRQ-LP	MERIDIAN MS	203.1	CP	BDFCDTL -20100713AQF
40	WDSI-TV	CHATTANOOGA TN	245.7	LIC	BLCDT -20051011ABS
40	WKUW		314.3	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.
40	W40DL-D	TUSCALOOSA AL	BNPDTL -20101012AAU

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WBMA-LD	BIRMINGHAM AL	118.9	LIC	BLDTL -20110525ADM
40	WPAN	FORT WALTON BEACH FL	330.1	LIC	BLCDT -20081106AEL
40	WDBD	JACKSON MS	237.6	LIC	BLCDT -20090612ADU
40	DWMRQ-LP	MERIDIAN MS	110.3	LIC	BLTTL -20070625AAZ
40	DWMRQ-LP	MERIDIAN MS	105.9	CP	BDFCDTL -20100713AQF
40	WDSI-TV	CHATTANOOGA TN	344.0	LIC	BLCDT -20051011ABS
40	WKUW		361.2	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.
40	WIRE-CD	ATLANTA GA	BLDTA -20100412AAP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WSB-TV	ATLANTA GA	2.2	LIC	BLCDT -20100129ADE
40	WTWC-TV	TALLAHASSEE FL	342.5	LIC	BLCDT -20100216ADC
40	WMGT-TV	MACON GA	132.8	LIC	BLCDT -20070112AHJ
40	W40CW-D	BRYSON CITY NC	201.5	CP	BDISDTT -20090824ACO
40	W40CW-D	BRYSON CITY NC	201.5	LIC	BLDTT -20120319AED
40	WHKY-TV	HICKORY NC	376.8	LIC	BLCDT -20110927ACZ
40	WHKY-TV	HICKORY NC	343.5	LIC	BLCDT -20110927ACZ
40	WDSI-TV	CHATTANOOGA TN	183.2	LIC	BLCDT -20051011ABS
41	WATC-DT	ATLANTA GA	36.8	LIC	BLEDT -20120404AAX
40	WKUW		357.5	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.
40	WSIU-TV	CARBONDALE IL	BDRTEDT -20100830ABJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KETC	ST. LOUIS MO	133.3	LIC	BLEDT -20090804ABV
40	W40CV-D	JACKSONVILLE IL	222.0	LIC	BLDTT -20111220AFF
40	W40DH-D	EVANSVILLE IN	164.6	CP MOD	BMPDTL -20111104ABS
41	WKPD	PADUCAH KY	84.4	LIC	BMLEDT -20120509AEI
40	WKUW		269.2	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 11

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	W40DH-D	EVANSVILLE IN	BMPDTL -20111104ABS

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	W39DS-D	EVANSVILLE IN	20.5	CP	BNPDTL -20100909AAU
40	WSIU-TV	CARBONDALE IL	164.6	CP	BDRTEDT -20100830ABJ
40	WTVQ-DT	LEXINGTON KY	262.1	LIC	BLCDDT -20090519ACB
40	WDSI-TV	CHATTANOOGA TN	340.2	LIC	BLCDDT -20051011ABS
40	WKUW		174.4	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.
40	WTVQ-DT	LEXINGTON KY	BLCDDT -20090519ACB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WKOI-TV	RICHMOND IN	165.6	LIC	BLCDDT -20130430AAI
39	WLEX-TV	LEXINGTON KY	0.0	LIC	BLCDDT -20050728AOX
40	WFWA	FORT WAYNE IN	347.9	LIC	BLEDT -20130905ABC
40	WHKY-TV	HICKORY NC	374.6	LIC	BLCDDT -20110927ACZ
40	WHIZ-TV	ZANESVILLE OH	296.0	LIC	BLCDDT -20080222AAV
40	WDSI-TV	CHATTANOOGA TN	323.7	LIC	BLCDDT -20051011ABS
40	WLFB	BLUEFIELD WV	290.7	LIC	BLCDDT -20120228ACM
41	WHIO-TV	DAYTON OH	189.3	LIC	BLCDDT -20100802AZK
41	WETP-TV	SNEEDVILLE TN	212.8	LIC	BLEDT -20050916AAX
41	WCHS-TV	CHARLESTON WV	221.4	LIC	BLCDDT -20050621AAQ
40	WKUW		289.5	APP	USERRECORD-01
40	WHKY-TV	HICKORY NC		LIC	BLCDDT -20110927ACZ

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.
40	W40BZ	TUPELO MS	BLTTL -20070730ALP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WCFT-TV	TUSCALOOSA AL	138.7	LIC	BLCDDT -20091106ABO
36	WMAV-TV	OXFORD MS	96.7	LIC	BLEDT -20090612AAK
40	WDBD	JACKSON MS	272.7	LIC	BLCDDT -20090612ADU
40	WDSI-TV	CHATTANOOGA TN	328.8	LIC	BLCDDT -20051011ABS
40	WKUW		285.5	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.
40	W40CW-D	BRYSON CITY NC	BDISDTT -20090824ACO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	W09AG-D	FRANKLIN NC	27.7	CP	BDISDTT -20090928ACX
40	WIRE-CD	ATLANTA GA	201.5	LIC	BLDTA -20100412AAP
40	WMGT-TV	MACON GA	292.4	LIC	BLCDDT -20070112AHJ
40	WTVQ-DT	LEXINGTON KY	307.5	LIC	BLCDDT -20090519ACB
40	WHKY-TV	HICKORY NC	246.7	LIC	BLCDDT -20110927ACZ
40	WHKY-TV	HICKORY NC	184.2	LIC	BLCDDT -20110927ACZ
40	WDSI-TV	CHATTANOOGA TN	170.1	LIC	BLCDDT -20051011ABS
40	WLFB	BLUEFIELD WV	281.3	LIC	BLCDDT -20120228ACM
41	W41BQ	ASHEVILLE NC	73.2	LIC	BLTTL -19950626IG
41	WETP-TV	SNEEDVILLE TN	113.1	LIC	BLEDT -20050916AAX
40	WKUW		320.3	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.
40	W40CW-D	BRYSON CITY NC	BLDTT -20120319AED

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	W09AG-D	FRANKLIN NC	27.7	CP	BDISDTT -20090928ACX
40	WIRE-CD	ATLANTA GA	201.5	LIC	BLDTA -20100412AAP
40	WMGT-TV	MACON GA	292.4	LIC	BLCDDT -20070112AHJ
40	WTVQ-DT	LEXINGTON KY	307.5	LIC	BLCDDT -20090519ACB
40	WHKY-TV	HICKORY NC	246.7	LIC	BLCDDT -20110927ACZ
40	WHKY-TV	HICKORY NC	184.2	LIC	BLCDDT -20110927ACZ
40	WDSI-TV	CHATTANOOGA TN	170.1	LIC	BLCDDT -20051011ABS
40	WLFB	BLUEFIELD WV	281.3	LIC	BLCDDT -20120228ACM
41	WETP-TV	SNEEDVILLE TN	113.1	LIC	BLEDT -20050916AAX
40	WKUW		320.3	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 16

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WDSI-TV	CHATTANOOGA TN	BLCDT	-20051011ABS

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WSB-TV	ATLANTA GA	181.2	LIC	BLCDT	-20100129ADE
40	WMTG-TV	MACON GA	315.4	LIC	BLCDT	-20070112AHJ
40	WTVQ-DT	LEXINGTON KY	323.7	LIC	BLCDT	-20090519ACB
40	WHKY-TV	HICKORY NC	415.9	LIC	BLCDT	-20110927ACZ
40	WHKY-TV	HICKORY NC	354.1	LIC	BLCDT	-20110927ACZ
40	WLFB	BLUEFIELD WV	424.2	LIC	BLCDT	-20120228ACM
41	WZDX	HUNTSVILLE AL	125.8	LIC	BLCDT	-20090706AEV
41	WATC-DT	ATLANTA GA	147.7	LIC	BLEDT	-20120404AAX
40	WKUW		180.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 16  
Before Analysis

Results for: 40A TN CHATTANOOGA BLCDT 20051011ABS LIC

HAAT 350.0 m, ATV ERP 84.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	951759	19184.4
not affected by terrain losses	877968	16105.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3259	197.7
lost to ATV IX only	3259	197.7
lost to all IX	3259	197.7

Potential Interfering Stations Included in above Scenario 1

40A GA MACON	BLCDT	20070112AHJ	LIC
40A KY LEXINGTON	BLCDT	20090519ACB	LIC
41A AL HUNTSVILLE	BLCDT	20090706AEV	LIC
41A GA ATLANTA	BLEDT	20120404AAX	LIC

## After Analysis

Results for: 40A TN CHATTANOOGA BLCDT 20051011ABS LIC

HAAT 350.0 m, ATV ERP 84.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	951759	19184.4
not affected by terrain losses	877968	16105.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5098	360.4
lost to ATV IX only	5098	360.4
lost to all IX	5098	360.4

Potential Interfering Stations Included in above Scenario 1

40A GA MACON	BLCDT	20070112AHJ	LIC
40A KY LEXINGTON	BLCDT	20090519ACB	LIC
41A AL HUNTSVILLE	BLCDT	20090706AEV	LIC
41A GA ATLANTA	BLEDT	20120404AAX	LIC



Percent new IX = 0.2102%

Worst case new IX 0.2102% Scenario 1

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#### Analysis of Interference to Affected Station 17

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WZDX	HUNTSVILLE AL	BLCDT -20090706AEV

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WDSI-TV	CHATTANOOGA TN	125.8	LIC	BLCDT -20051011ABS
41	WATC-DT	ATLANTA GA	204.6	LIC	BLEDT -20120404AAX
41	WKPD	PADUCAH KY	325.2	LIC	BMLEDT -20120509AEI
41	WBUY-TV	HOLLY SPRINGS MS	301.4	LIC	BLCDT -20110719ACL
41	WETP-TV	SNEEDVILLE TN	354.0	LIC	BLEDT -20050916AAX
42	WFLI-TV	CLEVELAND TN	125.8	LIC	BLCDT -20050808AGH
40	WKUW		171.9	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.
41	WKPD	PADUCAH KY	BMLEDT -20120509AEI

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WZDX	HUNTSVILLE AL	325.2	LIC	BLCDT -20090706AEV
41	WICD	CHAMPAIGN IL	337.3	LIC	BLCDT -20050620AAO
41	WBUY-TV	HOLLY SPRINGS MS	225.1	LIC	BLCDT -20110719ACL
42	WKMA-TV	MADISONVILLE KY	103.2	LIC	BMLEDT -20120608AAJ
40	WKUW		190.8	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

#### Analysis of Interference to Affected Station 19

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	W41EI-D	ALGOOD TN	BNPDTL -20100609AGA

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WDSI-TV	CHATTANOOGA TN	110.1	LIC	BLCDT -20051011ABS
41	WZDX	HUNTSVILLE AL	190.5	LIC	BLCDT -20090706AEV
41	WATC-DT	ATLANTA GA	252.2	LIC	BLEDT -20120404AAX
41	WKPD	PADUCAH KY	306.6	LIC	BMLEDT -20120509AEI

41	W41BQ	ASHEVILLE NC	258.1	LIC	BLTTL	-19950626IG
41	WETP-TV	SNEEDVILLE TN	202.1	LIC	BLEDT	-20050916AAX
42	WFLI-TV	CLEVELAND TN	110.1	LIC	BLCDT	-20050808AGH
40	WKUW		123.3	APP	USERRECORD-01	

Proposal causes no interference

#####

# Analysis of Interference to Affected Station 20

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WLLC-LP	NASHVILLE TN	BLTTL	-20040226AAL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WHTN	MURFREESBORO TN	32.6	LIC	BLCDT	-20060627AAY
42	WCLJ-TV	BLOOMINGTON IN	364.1	LIC	BLCDT	-20090616ABL
42	WKLE	LEXINGTON KY	289.3	LIC	BMLEDT	-20120619ABJ
42	WKMA-TV	MADISONVILLE KY	131.3	LIC	BMLEDT	-20120608AAJ
42	WFLI-TV	CLEVELAND TN	172.3	LIC	BLCDT	-20050808AGH
42	WJTD-LP	JACKSON TN	189.4	LIC	BLTTL	-20070320ANN
44	WJFB	LEBANON TN	35.9	LIC	BLCDT	-20070813ABW
40	WKUW		11.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 20  
Before Analysis

Results for: 42N TN NASHVILLE	BLTTL	20040226AAL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	533787	1005.7	
not affected by terrain losses	526568	978.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	392	2.0	
lost to all IX	392	2.0	

Potential Interfering Stations Included in above Scenario 1

44A TN LEBANON	BLCDT	20070813ABW	LIC
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## After Analysis

Results for: 42N TN NASHVILLE	BLTTL	20040226AAL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	533787	1005.7	
not affected by terrain losses	526568	978.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	413	3.9	
lost to all IX	413	3.9	

Potential Interfering Stations Included in above Scenario 1

44A TN LEBANON	BLCDT	20070813ABW	LIC
40A	USERRECORD01		APP

Percent new IX = 0.0039%

Worst case new IX 0.0039% Scenario 1

#####

# Analysis of Interference to Affected Station 21

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WKUW		USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	W40DH-D	EVANSVILLE IN	174.4	CP MOD	BMPDTL -20111104ABS
40	WTVQ-DT	LEXINGTON KY	289.5	LIC	BLCDT -20090519ACB
40	WDSI-TV	CHATTANOOGA TN	180.6	LIC	BLCDT -20051011ABS

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 21  
Before Analysis

Results for: 40A USERRECORD01 APP

HAAT 322.0 m, ATV ERP 15.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1176344	9977.0
not affected by terrain losses	1176126	9967.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	179	4.9
lost to ATV IX only	179	4.9
lost to all IX	179	4.9

Potential Interfering Stations Included in above Scenario 1

40A IN EVANSVILLE	BMPDTL	20111104ABS	CP
40A KY LEXINGTON	BLCDT	20090519ACB	LIC
40A TN CHATTANOOGA	BLCDT	20051011ABS	LIC

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