

TECHNICAL STATEMENT SUPPORTING  
REQUEST FOR SPECIAL TEMPORARY AUTHORITY  
TO CONSTRUCT AND OPERATE  
A SINGLE FREQUENCY NETWORK (SFN) FOR  
TELEVISION STATION WPXK-DT  
JELICO, TENNESSEE  
CHANNEL 23

Technical Narrative

This Technical Statement was prepared on behalf of WPXK-DT on Channel 23 assigned to Jellico, Tennessee, concerning a request for Special Temporary Authority (STA) to construct and operate a Single Frequency Network (SFN) “DTV-booster” operation. WPXK-DT has a maximization application pending to relocate its transmitter site to co-locate with the majority of the other stations in the market.<sup>1</sup> While the predicted 48 dBu contour, based on the normal FCC method, for the proposed main facility will encompass all of Jellico, study of the terrain path between the proposed main transmitter site and Jellico indicates terrain obstruction. Analysis using the Longley-Rice alternate propagation method shows that the required 48 dBu signal would only serve a portion of Jellico.

Therefore, by this Technical Statement, WPXK-DT is proposing to employ an SFN transmitter in order to provide the required community coverage of Jellico specified in FCC Rule Section 73.625. The formerly licensed WPXK analog site is proposed for the transmitter location of the SFN.<sup>2</sup> The attached Appendix contains the “Tech Box” specifications for the SFN transmitter site.

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<sup>1</sup> See BPCDT-20080620AGZ

<sup>2</sup> See BLCT-19950302KK

The 41 dBu, f(50,90) noise limited contour for the proposed WPXK-DT SFN facility will be located entirely within its the predicted 41 dBu, f(50,90) noise-limited coverage contour for the pending application for maximized operation (see Figure 1). It is also noted that the predicted SFN 48 dBu contour will encompass all of Jellico.

Figure 2 contains the results of the allocation study for the proposed SFN systems. No interference to any other station and/or allotment is predicted based upon the OET-69 model.

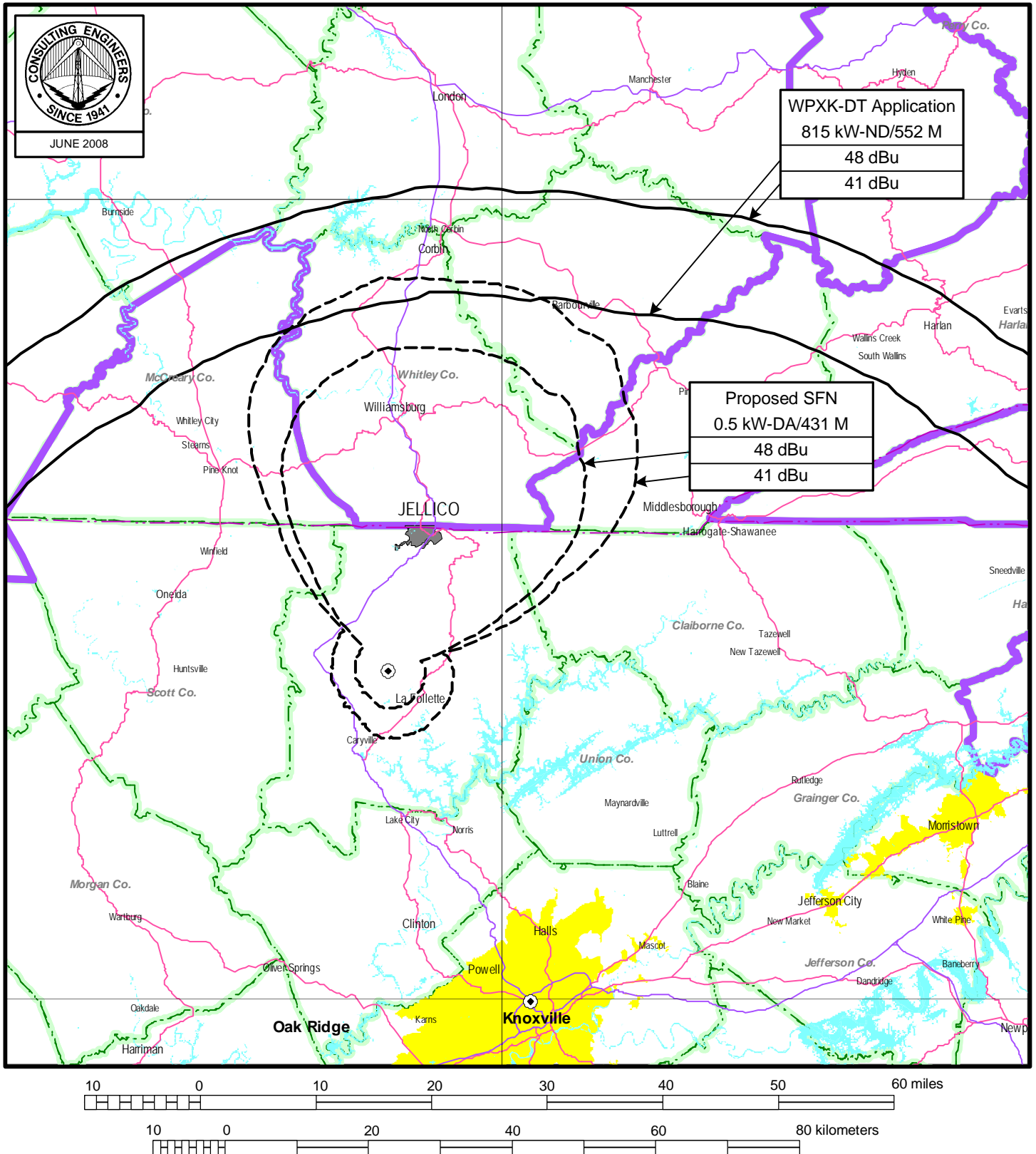


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Figure 1



## **PREDICTED COVERAGE CONTOURS**

SFN STATION WPXK-DT

JELICO, TENNESSEE

CH 23 0.5 kW (MAX-DA) 431 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

TW Census data selected 2000

Post Transition Data Base Selected /export/home/cdb/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-26-2008 Time: 14:44:06

Record Selected for Analysis

WPXK USERRECORD-01 JELLICO TN US  
 Channel 23 ERP 0.5 kW HAAT 431. m RCAMSL 00921 m  
 Latitude 036-24-36 Longitude 0084-10-38  
 Status APP Zone 2 Border  
 Dir Antenna Make CDB Model 00000000020778 Beam tilt N Ref Azimuth 13.  
 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	0.411	441.8	54.6
45.0	0.162	426.7	48.5
90.0	0.000	502.0	2.7
135.0	0.000	518.9	2.7
180.0	0.000	526.9	2.8
225.0	0.000	301.3	2.6
270.0	0.000	361.1	2.6
315.0	0.000	367.4	11.6

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

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	Proposed Station Call	City/State	ARN
23	WPXK	JELLICO TN	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCTE	COOKEVILLE TN	107.7	PLN	DTVPLN	-DTVP0824
22	WCTE	COOKEVILLE TN	107.7	CP	BPEDT	-20080317ADB
22	WCTE	COOKEVILLE TN	107.7	APP	BMPEDT	-20080620ADW
22	WJZC-LP	SEVIERVILLE TN	81.3	LIC	BLTTL	-19901017JE
23	WJSP-TV	COLUMBUS GA	398.3	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	398.3	PLN	DTVPLN	-DTVP0840
23	W23BV	EVANSVILLE IN	362.6	LIC	BLTTA	-20021104AEE
23	WIPB	MUNCIE IN	422.9	CP	BPEDT	-20080227ABW
23	WIPB	MUNCIE IN	422.9	PLN	DTVPLN	-DTVP0847
23	WIPB	MUNCIE IN	422.9	APP	BMPEDT	-20080620AAH
23	WBTB	CHARLOTTE NC	293.3	LIC	BLCDT	-19991025AEB
23	WBTB	CHARLOTTE NC	293.3	PLN	DTVPLN	-DTVP0852
23	WNAB	NASHVILLE TN	234.9	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	234.9	PLN	DTVPLN	-DTVP0863
23	WSAZ-TV	HUNTINGTON WV	290.4	APP	BMPCDT	-20080619AAD

23	WSAZ-TV	HUNTINGTON WV	290.4	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	290.4	CP MOD	BMPCDT	-20080414AAQ
24	WNEG-TV	TOCCOA GA	212.8	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	212.8	PLN	DTVPLN	-DTVP0880
24	WKPI-TV	PIKEVILLE KY	176.3	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	176.3	PLN	DTVPLN	-DTVP0885
25	WKPT-LP	KINGSPORT TN	142.7	LIC	BLTT	-19871119IB
25	WKPT-LP	KINGSPORT TN	142.7	APP	BSTA	-20060331AXC

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#### Analysis of Interference to Affected Station 1

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WCTE	COOKEVILLE TN	DTVPLN	-DTVP0824

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WUXP-TV	NASHVILLE TN	130.5	CP MOD	BMPCDT	-20010525AAJ
21	WUXP-TV	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0784
22	WFIQ	FLORENCE AL	283.5	LIC	BLEDT	-20060718ACG
22	WFIQ	FLORENCE AL	283.5	PLN	DTVPLN	-DTVP0790
22	WFIQ	FLORENCE AL	283.5	APP	BPEDT	-20080619AGU
22	WVUT	VINCENNES IN	333.6	PLN	DTVPLN	-DTVP0804
22	WVUT	VINCENNES IN	333.6	CP	BPEDT	-20080530AAN
22	KBSI	CAPE GIRARDEAU MO	399.7	LIC	BLCDT	-20041213ABC
22	KBSI	CAPE GIRARDEAU MO	399.7	PLN	DTVPLN	-DTVP0810
22	WCNC-TV	CHARLOTTE NC	387.4	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	387.4	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	387.4	APP	BPCDT	-20080617AEH
23	WPXK	JELLYCO TN	99.9	PLN	DTVPLN	-DTVP0861
23	WNAB	NASHVILLE TN	130.5	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0863
23	WPXK	JELLYCO TN	107.7	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.
22	WCTE	COOKEVILLE TN	BPEDT	-20080317ADB

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WUXP-TV	NASHVILLE TN	130.5	CP MOD	BMPCDT	-20010525AAJ
21	WUXP-TV	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0784
22	WFIQ	FLORENCE AL	283.5	LIC	BLEDT	-20060718ACG
22	WFIQ	FLORENCE AL	283.5	PLN	DTVPLN	-DTVP0790
22	WFIQ	FLORENCE AL	283.5	APP	BPEDT	-20080619AGU
22	WVUT	VINCENNES IN	333.6	PLN	DTVPLN	-DTVP0804
22	WVUT	VINCENNES IN	333.6	CP	BPEDT	-20080530AAN
22	KBSI	CAPE GIRARDEAU MO	399.7	LIC	BLCDT	-20041213ABC
22	KBSI	CAPE GIRARDEAU MO	399.7	PLN	DTVPLN	-DTVP0810
22	WCNC-TV	CHARLOTTE NC	387.4	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	387.4	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	387.4	APP	BPCDT	-20080617AEH
23	WPXK	JELLYCO TN	99.9	PLN	DTVPLN	-DTVP0861
23	WNAB	NASHVILLE TN	130.5	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0863
23	WPXK	JELLYCO TN	107.7	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.
22	WCTE	COOKEVILLE TN	BMPEDT	-20080620ADW

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WUXP-TV	NASHVILLE TN	130.5	CP MOD	BMPCDT	-20010525AAJ
21	WUXP-TV	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0784
22	WFIQ	FLORENCE AL	283.5	LIC	BLEDT	-20060718ACG
22	WFIQ	FLORENCE AL	283.5	PLN	DTVPLN	-DTVP0790
22	WFIQ	FLORENCE AL	283.5	APP	BPEDT	-20080619AGU
22	WVUT	VINCENNES IN	333.6	PLN	DTVPLN	-DTVP0804
22	WVUT	VINCENNES IN	333.6	CP	BPEDT	-20080530AAN
22	KBSI	CAPE GIRARDEAU MO	399.7	LIC	BLCDT	-20041213ABC
22	KBSI	CAPE GIRARDEAU MO	399.7	PLN	DTVPLN	-DTVP0810
22	WCNC-TV	CHARLOTTE NC	387.4	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	387.4	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	387.4	APP	BPCDT	-20080617AEH
23	WPXK	JELICO TN	99.9	PLN	DTVPLN	-DTVP0861
23	WNAB	NASHVILLE TN	130.5	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	130.5	PLN	DTVPLN	-DTVP0863
23	WPXK	JELICO TN	107.7	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.
22	WJZC-LP	SEVIERVILLE TN	BLTTL	-19901017JE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WKOP-TV	KNOXVILLE TN	37.5	LIC	BLET	-19900829KE
20	WBXX-TV	CROSSVILLE TN	75.1	APP	BPCDT	-20080619AKH
20	WBXX-TV	CROSSVILLE TN	75.1	PLN	DTVPLN	-DTVP0740
20	WBXX-TV	CROSSVILLE TN	75.1	APP	BPCDT	-20080618ABT
21	WHNS	GREENVILLE SC	110.5	CP	BPCDT	-20080225ABE
21	WHNS	GREENVILLE SC	110.5	PLN	DTVPLN	-DTVP0782
21	WHNS	GREENVILLE SC	110.5	APP	BMPCDT	-20080619AFO
21	WHNS	GREENVILLE SC	110.5	LIC	BMLCT	-20030912AAE
22	WSKC-CA	ATLANTA GA	217.7	LIC	BLTTA	-20051013AAE
22	WKPI-TV	PIKEVILLE KY	181.1	LIC	BMLET	-19830426KN
22	WCNC-TV	CHARLOTTE NC	223.2	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	223.2	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	223.2	APP	BPCDT	-20080617AEH
22	WCTE	COOKEVILLE TN	164.3	LIC	BLET	-19880802KE
22	WCTE	COOKEVILLE TN	164.3	PLN	DTVPLN	-DTVP0824
22	WCTE	COOKEVILLE TN	164.3	CP	BPEDT	-20080317ADB
22	WCTE	COOKEVILLE TN	164.3	APP	BMPEDT	-20080620ADW
22	WCTD-LP	DUCKTOWN TN	124.1	LIC	BLTTL	-20070622ADD
23	WPXK	JELICO TN	70.5	LIC	BLCDT	-20020510AAJ
23	WPXK	JELICO TN	70.5	PLN	DTVPLN	-DTVP0861
24	WNEG-TV	TOCCOA GA	141.9	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	141.9	PLN	DTVPLN	-DTVP0880
25	WUNF-TV	ASHEVILLE NC	87.9	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	87.9	PLN	DTVPLN	-DTVP0929
25	WUNF-TV	ASHEVILLE NC	87.9	APP	BPEDT	-20080619AEH
26	WATE-TV	KNOXVILLE TN	37.7	LIC	BMLCDT	-20041203AEG
26	WATE-TV	KNOXVILLE TN	37.7	PLN	DTVPLN	-DTVP0977
30	WVLT-TV	KNOXVILLE TN	38.5	LIC	BLCDT	-20040420AAF
30	WVLT-TV	KNOXVILLE TN	38.5	PLN	DTVPLN	-DTVP1121
30	WVLT-TV	KNOXVILLE TN	38.5	APP	BPCDT	-20080618AAM
36	WYFF	GREENVILLE SC	120.9	CP	BPCDT	-20080317ABT
36	WYFF	GREENVILLE SC	121.1	PLN	DTVPLN	-DTVP1347

23 WPXK JELLICO TN 81.3 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.
23	WJSP-TV	COLUMBUS GA	BMPEDT -20070907ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WBMM	TUSKEGEE AL	146.6	PLN	DTVPLN -DTVP0791
22	WBMM	TUSKEGEE AL	145.6	APP	BPCDT -20080618ADG
23	960920WX	MOBILE AL	373.4	PLN	DTVPLN -DTVP0831
23	WBTW	CHARLOTTE NC	427.2	LIC	BLCDT -19991025AEB
23	WBTW	CHARLOTTE NC	427.2	PLN	DTVPLN -DTVP0852
23	WPXK	JELLICO TN	374.4	PLN	DTVPLN -DTVP0861
23	WNAB	NASHVILLE TN	424.8	LIC	BLCDT -20040712AAO
23	WNAB	NASHVILLE TN	424.8	PLN	DTVPLN -DTVP0863
23	WPXK	JELLICO TN	398.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WJSP-TV	COLUMBUS GA	DTVPLN -DTVP0840

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WBMM	TUSKEGEE AL	146.6	PLN	DTVPLN -DTVP0791
22	WBMM	TUSKEGEE AL	145.6	APP	BPCDT -20080618ADG
23	960920WX	MOBILE AL	373.4	PLN	DTVPLN -DTVP0831
23	WBTW	CHARLOTTE NC	427.2	LIC	BLCDT -19991025AEB
23	WBTW	CHARLOTTE NC	427.2	PLN	DTVPLN -DTVP0852
23	WPXK	JELLICO TN	374.4	PLN	DTVPLN -DTVP0861
23	WNAB	NASHVILLE TN	424.8	LIC	BLCDT -20040712AAO
23	WNAB	NASHVILLE TN	424.8	PLN	DTVPLN -DTVP0863
23	WPXK	JELLICO TN	398.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	W23BV	EVANSVILLE IN	BLTTA -20021104AEE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	WUSI-TV	OLNEY IL	93.6	LIC	BMLET -20030515AAM
19	WUSI-TV	OLNEY IL	93.6	LIC	BLEDT -20060619ABG
19	WUSI-TV	OLNEY IL	93.6	PLN	DTVPLN -DTVP0677
20	WAZE-TV	MADISONVILLE KY	73.8	CP	BPCDT -19991101AHC
20	WAZE-TV	MADISONVILLE KY	73.8	PLN	DTVPLN -DTVP0725
22	WVUT	VINCENNES IN	68.4	LIC	BLET -344
22	WVUT	VINCENNES IN	68.4	PLN	DTVPLN -DTVP0804
22	WVUT	VINCENNES IN	68.4	CP	BPEDT -20080530AAN

23	WBUI	DECATUR IL	231.0	LIC	BLCT	-20010406ABK
23	WNOI-LP	FLORA IL	87.3	CP	BP TTL	-20060710ADD
23	WNDY-TV	MARION IN	277.7	LIC	BLCT	-19990430KE
23	WIPB	MUNCIE IN	301.5	CP	BP EDT	-20080227ABW
23	WIPB	MUNCIE IN	301.5	PLN	DTVPLN	-DTVP0847
23	WIPB	MUNCIE IN	301.5	APP	BP EDT	-20080620AAH
23	WKZT-TV	ELIZABETHTOWN KY	169.3	LIC	BLET	-19830404KF
23	KBSI	CAPE GIRARDEAU MO	178.4	LIC	BLCT	-20050225ABQ
23	WPXK	JELLICO TN	371.5	LIC	BLCDT	-20020510AAJ
23	WPXK	JELLICO TN	371.5	PLN	DTVPLN	-DTVP0861
23	WTWV	MEMPHIS TN	363.4	PLN	DTVPLN	-DTVP0862
23	WTWV	MEMPHIS TN	368.7	CP	BP EDT	-20080311ACL
23	WNAB	NASHVILLE TN	215.9	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	215.9	PLN	DTVPLN	-DTVP0863
30	WKOH	OWENSBORO KY	40.9	LIC	BLEDT	-20020304ALJ
30	WKOH	OWENSBORO KY	40.9	PLN	DTVPLN	-DTVP1108
38	W38BK	EVANSVILLE IN	30.3	LIC	BLTT	-19920723IP
38	WFXW	TERRE HAUTE IN	132.7	LIC	BLCT	-20031022AAD
23	WPXK	JELLICO TN	362.6	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.
23	WIPB	MUNCIE IN	BP EDT	-20080227ABW

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WSBT-TV	SOUTH BEND IN	182.9	PLN	DTVPLN	-DTVP0803
22	WSBT-TV	SOUTH BEND IN	182.9	APP	BMPCDT	-20080620ABV
22	WSBT-TV	SOUTH BEND IN	182.9	CP	BPCDT	-20080317AHE
23	WIFR	FREEDPORT IL	399.7	PLN	DTVPLN	-DTVP0845
23	WIFR	FREEDPORT IL	399.7	CP	BPCDT	-20080327AHN
23	WVPX	AKRON OH	339.2	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	339.2	PLN	DTVPLN	-DTVP0858
23	WVPX	AKRON OH	339.2	CP	BPCDT	-20070625ACA
23	WSAZ-TV	HUNTINGTON WV	324.7	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	324.7	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	324.7	CP MOD	BMPCDT	-20080414AAQ
24	WPTA	FORT WAYNE IN	113.5	LIC	BLCDT	-20031031AGU
24	WPTA	FORT WAYNE IN	113.5	PLN	DTVPLN	-DTVP0883
24	WCVN-TV	COVINGTON KY	140.4	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	140.4	PLN	DTVPLN	-DTVP0884
23	WPXK	JELLICO TN	422.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 9

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WIPB	MUNCIE IN	DTVPLN	-DTVP0847

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WSBT-TV	SOUTH BEND IN	182.9	PLN	DTVPLN	-DTVP0803
22	WSBT-TV	SOUTH BEND IN	182.9	APP	BMPCDT	-20080620ABV
22	WSBT-TV	SOUTH BEND IN	182.9	CP	BPCDT	-20080317AHE
23	WIFR	FREEDPORT IL	399.7	PLN	DTVPLN	-DTVP0845
23	WIFR	FREEDPORT IL	399.7	CP	BPCDT	-20080327AHN
23	WVPX	AKRON OH	339.2	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	339.2	PLN	DTVPLN	-DTVP0858

23	WVPX	AKRON OH	339.2	CP	BPCDT	-20070625ACA
23	WSAZ-TV	HUNTINGTON WV	324.7	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	324.7	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	324.7	CP MOD	BMPCDT	-20080414AAQ
24	WPTA	FORT WAYNE IN	113.5	LIC	BLCDT	-20031031AGU
24	WPTA	FORT WAYNE IN	113.5	PLN	DTVPLN	-DTVP0883
24	WCVN-TV	COVINGTON KY	140.4	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	140.4	PLN	DTVPLN	-DTVP0884
23	WPXK	JELLICO TN	422.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 10

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WIPB	MUNCIE IN	BMPEDT	-20080620AAH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WSBT-TV	SOUTH BEND IN	182.9	PLN	DTVPLN	-DTVP0803
22	WSBT-TV	SOUTH BEND IN	182.9	APP	BMPCDT	-20080620ABV
22	WSBT-TV	SOUTH BEND IN	182.9	CP	BPCDT	-20080317AHE
23	WIFR	FREEDPORT IL	399.7	PLN	DTVPLN	-DTVP0845
23	WIFR	FREEDPORT IL	399.7	CP	BPCDT	-20080327AHN
23	WVPX	AKRON OH	339.2	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	339.2	PLN	DTVPLN	-DTVP0858
23	WVPX	AKRON OH	339.2	CP	BPCDT	-20070625ACA
23	WSAZ-TV	HUNTINGTON WV	324.7	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	324.7	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	324.7	CP MOD	BMPCDT	-20080414AAQ
24	WPTA	FORT WAYNE IN	113.5	LIC	BLCDT	-20031031AGU
24	WPTA	FORT WAYNE IN	113.5	PLN	DTVPLN	-DTVP0883
24	WCVN-TV	COVINGTON KY	140.4	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	140.4	PLN	DTVPLN	-DTVP0884
23	WPXK	JELLICO TN	422.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 11

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WBTB	CHARLOTTE NC	BLCDT	-19991025AEB

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	2.4	APP	BPCDT	-20080617AEH
23	WJSP-TV	COLUMBUS GA	427.2	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0840
23	WUNK-TV	GREENVILLE NC	325.3	LIC	BLEDT	-20021007ABG
23	WUNK-TV	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0853
23	WPXK	JELLICO TN	289.7	PLN	DTVPLN	-DTVP0861
23	WSAZ-TV	HUNTINGTON WV	361.5	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	361.5	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	361.5	CP MOD	BMPCDT	-20080414AAQ
24	WNEG-TV	TOCCOA GA	215.5	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0880
23	WPXK	JELLICO TN	293.3	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.
23	WBTW	CHARLOTTE NC	DTVPLN	-DTVP0852

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0813
22	WCNC-TV	CHARLOTTE NC	2.4	APP	BPCDDT	-20080617AEH
23	WJSP-TV	COLUMBUS GA	427.2	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0840
23	WUNK-TV	GREENVILLE NC	325.3	LIC	BLEDT	-20021007ABG
23	WUNK-TV	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0853
23	WPXK	JELLLICO TN	289.7	PLN	DTVPLN	-DTVP0861
23	WSAZ-TV	HUNTINGTON WV	361.5	APP	BMPCDDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	361.5	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	361.5	CP MOD	BMPCDDT	-20080414AAQ
24	WNEG-TV	TOCCOA GA	215.5	CP MOD	BMPCDDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0880
23	WPXK	JELLLICO TN	293.3	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.
23	WNAB	NASHVILLE TN	BLCDDT	-20040712AAO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WFIQ	FLORENCE AL	207.7	LIC	BLEDT	-20060718ACG
22	WFIQ	FLORENCE AL	207.7	PLN	DTVPLN	-DTVP0790
22	WFIQ	FLORENCE AL	207.7	APP	BPEDT	-20080619AGU
22	WCTE	COOKEVILLE TN	130.5	PLN	DTVPLN	-DTVP0824
22	WCTE	COOKEVILLE TN	130.5	CP	BPEDT	-20080317ADB
22	WCTE	COOKEVILLE TN	130.5	APP	BMPEDT	-20080620ADW
23	WJSP-TV	COLUMBUS GA	424.8	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	424.8	PLN	DTVPLN	-DTVP0840
23	WPXK	JELLLICO TN	229.9	PLN	DTVPLN	-DTVP0861
23	WTWV	MEMPHIS TN	318.5	PLN	DTVPLN	-DTVP0862
23	WTWV	MEMPHIS TN	296.8	CP	BPEDT	-20080311ACL
24	WHIQ	HUNTSVILLE AL	171.4	LIC	BLEDT	-20060927ALU
24	WHIQ	HUNTSVILLE AL	171.4	PLN	DTVPLN	-DTVP0871
23	WPXK	JELLLICO TN	234.9	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.
23	WNAB	NASHVILLE TN	DTVPLN	-DTVP0863

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WFIQ	FLORENCE AL	207.7	LIC	BLEDT	-20060718ACG
22	WFIQ	FLORENCE AL	207.7	PLN	DTVPLN	-DTVP0790
22	WFIQ	FLORENCE AL	207.7	APP	BPEDT	-20080619AGU
22	WCTE	COOKEVILLE TN	130.5	PLN	DTVPLN	-DTVP0824
22	WCTE	COOKEVILLE TN	130.5	CP	BPEDT	-20080317ADB

22	WCTE	COOKEVILLE TN	130.5	APP	BMPEDT	-20080620ADW
23	WJSP-TV	COLUMBUS GA	424.8	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	424.8	PLN	DTVPLN	-DTVP0840
23	WPXK	JELLICO TN	229.9	PLN	DTVPLN	-DTVP0861
23	WTWV	MEMPHIS TN	318.5	PLN	DTVPLN	-DTVP0862
23	WTWV	MEMPHIS TN	296.8	CP	BPEDT	-20080311ACL
24	WHIQ	HUNTSVILLE AL	171.4	LIC	BLEDT	-20060927ALU
24	WHIQ	HUNTSVILLE AL	171.4	PLN	DTVPLN	-DTVP0871
23	WPXK	JELLICO TN	234.9	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.
23	WSAZ-TV	HUNTINGTON WV	BMPCDT	-20080619AAD

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WIPB	MUNCIE IN	324.7	CP	BPEDT	-20080227ABW
23	WIPB	MUNCIE IN	324.7	PLN	DTVPLN	-DTVP0847
23	WIPB	MUNCIE IN	324.7	APP	BMPEDT	-20080620AAH
23	WBTB	CHARLOTTE NC	361.5	LIC	BLCDT	-19991025AEB
23	WBTB	CHARLOTTE NC	361.5	PLN	DTVPLN	-DTVP0852
23	WVPX	AKRON OH	289.1	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	289.1	PLN	DTVPLN	-DTVP0858
23	WVPX	AKRON OH	289.1	CP	BPCDT	-20070625ACA
23	WPXK	JELLICO TN	312.4	PLN	DTVPLN	-DTVP0861
24	WCVN-TV	COVINGTON KY	206.5	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	206.5	PLN	DTVPLN	-DTVP0884
24	WKPI-TV	PIKEVILLE KY	138.8	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	138.8	PLN	DTVPLN	-DTVP0885
24	WSFJ-TV	NEWARK OH	179.1	LIC	BLCDT	-20060620ABC
24	WSFJ-TV	NEWARK OH	179.1	PLN	DTVPLN	-DTVP0897
23	WPXK	JELLICO TN	290.4	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.
23	WSAZ-TV	HUNTINGTON WV	DTVPLN	-DTVP0870

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WIPB	MUNCIE IN	324.7	CP	BPEDT	-20080227ABW
23	WIPB	MUNCIE IN	324.7	PLN	DTVPLN	-DTVP0847
23	WIPB	MUNCIE IN	324.7	APP	BMPEDT	-20080620AAH
23	WBTB	CHARLOTTE NC	361.5	LIC	BLCDT	-19991025AEB
23	WBTB	CHARLOTTE NC	361.5	PLN	DTVPLN	-DTVP0852
23	WVPX	AKRON OH	289.1	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	289.1	PLN	DTVPLN	-DTVP0858
23	WVPX	AKRON OH	289.1	CP	BPCDT	-20070625ACA
23	WPXK	JELLICO TN	312.4	PLN	DTVPLN	-DTVP0861
24	WCVN-TV	COVINGTON KY	206.5	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	206.5	PLN	DTVPLN	-DTVP0884
24	WKPI-TV	PIKEVILLE KY	138.8	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	138.8	PLN	DTVPLN	-DTVP0885
24	WSFJ-TV	NEWARK OH	179.1	LIC	BLCDT	-20060620ABC
24	WSFJ-TV	NEWARK OH	179.1	PLN	DTVPLN	-DTVP0897
23	WPXK	JELLICO TN	290.4	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.
23	WSAZ-TV	HUNTINGTON WV	BMPCDT	-20080414AAQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WIPB	MUNCIE IN	324.7	CP	BPEDT	-20080227ABW
23	WIPB	MUNCIE IN	324.7	PLN	DTVPLN	-DTVP0847
23	WIPB	MUNCIE IN	324.7	APP	BMPEDT	-20080620AAH
23	WBTB	CHARLOTTE NC	361.5	LIC	BLCDT	-19991025AEB
23	WBTB	CHARLOTTE NC	361.5	PLN	DTVPLN	-DTVP0852
23	WVPX	AKRON OH	289.1	APP	BMPCDT	-20080619AEG
23	WVPX	AKRON OH	289.1	PLN	DTVPLN	-DTVP0858
23	WVPX	AKRON OH	289.1	CP	BPCDT	-20070625ACA
23	WPXK	JELICO TN	312.4	PLN	DTVPLN	-DTVP0861
24	WCVN-TV	COVINGTON KY	206.5	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	206.5	PLN	DTVPLN	-DTVP0884
24	WKPI-TV	PIKEVILLE KY	138.8	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	138.8	PLN	DTVPLN	-DTVP0885
24	WSFJ-TV	NEWARK OH	179.1	LIC	BLCDT	-20060620ABC
24	WSFJ-TV	NEWARK OH	179.1	PLN	DTVPLN	-DTVP0897
23	WPXK	JELICO TN	290.4	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.
24	WNEG-TV	TOCCOA GA	BMPCDT	-20080410ABJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WBTB	CHARLOTTE NC	215.5	LIC	BLCDT	-19991025AEB
23	WBTB	CHARLOTTE NC	215.5	PLN	DTVPLN	-DTVP0852
23	WPXK	JELICO TN	192.8	PLN	DTVPLN	-DTVP0861
24	WHIQ	HUNTSVILLE AL	289.3	LIC	BLEDT	-20060927ALU
24	WHIQ	HUNTSVILLE AL	289.3	PLN	DTVPLN	-DTVP0871
24	WKPI-TV	PIKEVILLE KY	306.6	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	306.6	PLN	DTVPLN	-DTVP0885
24	WTAT-TV	CHARLESTON SC	386.8	CP	BPCDT	-20080317AGJ
24	WTAT-TV	CHARLESTON SC	386.8	PLN	DTVPLN	-DTVP0901
24	WTAT-TV	CHARLESTON SC	386.8	APP	BMPCDT	-20080620ADZ
25	WATL	ATLANTA GA	126.4	LIC	BLCDT	-20020716AAH
25	WATL	ATLANTA GA	126.4	PLN	DTVPLN	-DTVP0919
25	WUNF-TV	ASHEVILLE NC	106.1	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	106.1	PLN	DTVPLN	-DTVP0929
25	WUNF-TV	ASHEVILLE NC	106.1	APP	BPEDT	-20080619AEH
23	WPXK	JELICO TN	212.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 19

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WNEG-TV	TOCCOA GA	DTVPLN	-DTVP0880

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WBTB	CHARLOTTE NC	215.5	LIC	BLCDT	-19991025AEB

23	WBTB	CHARLOTTE NC	215.5	PLN	DTVPLN	-DTVP0852
23	WPXK	JELICO TN	192.8	PLN	DTVPLN	-DTVP0861
24	WHIQ	HUNTSVILLE AL	289.3	LIC	BLEDT	-20060927ALU
24	WHIQ	HUNTSVILLE AL	289.3	PLN	DTVPLN	-DTVP0871
24	WKPI-TV	PIKEVILLE KY	306.6	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	306.6	PLN	DTVPLN	-DTVP0885
24	WTAT-TV	CHARLESTON SC	386.8	CP	BPCDT	-20080317AGJ
24	WTAT-TV	CHARLESTON SC	386.8	PLN	DTVPLN	-DTVP0901
24	WTAT-TV	CHARLESTON SC	386.8	APP	BMPCDT	-20080620ADZ
25	WATL	ATLANTA GA	126.4	LIC	BLCDT	-20020716AAH
25	WATL	ATLANTA GA	126.4	PLN	DTVPLN	-DTVP0919
25	WUNF-TV	ASHEVILLE NC	106.1	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	106.1	PLN	DTVPLN	-DTVP0929
25	WUNF-TV	ASHEVILLE NC	106.1	APP	BPEDT	-20080619AEH
23	WPXK	JELICO TN	212.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 20

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WKPI-TV	PIKEVILLE KY	BLEDT	-20020313ABL

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WPXK	JELICO TN	194.1	PLN	DTVPLN	-DTVP0861
23	WSAZ-TV	HUNTINGTON WV	138.8	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	138.8	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	138.8	CP MOD	BMPCDT	-20080414AAQ
24	WNEG-TV	TOCCOA GA	306.6	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	306.6	PLN	DTVPLN	-DTVP0880
24	WCVN-TV	COVINGTON KY	260.1	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	260.1	PLN	DTVPLN	-DTVP0884
24	WSFJ-TV	NEWARK OH	310.9	LIC	BLCDT	-20060620ABC
24	WSFJ-TV	NEWARK OH	310.9	PLN	DTVPLN	-DTVP0897
24	WDRL-TV	DANVILLE VA	263.4	APP	BPCDT	-20080317AIL
24	WDRL-TV	DANVILLE VA	265.6	PLN	DTVPLN	-DTVP0908
25	WUNF-TV	ASHEVILLE NC	207.7	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	207.7	PLN	DTVPLN	-DTVP0929
25	WUNF-TV	ASHEVILLE NC	207.7	APP	BPEDT	-20080619AEH
23	WPXK	JELICO TN	176.3	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.
24	WKPI-TV	PIKEVILLE KY	DTVPLN	-DTVP0885

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WPXK	JELICO TN	194.1	PLN	DTVPLN	-DTVP0861
23	WSAZ-TV	HUNTINGTON WV	138.8	APP	BMPCDT	-20080619AAD
23	WSAZ-TV	HUNTINGTON WV	138.8	PLN	DTVPLN	-DTVP0870
23	WSAZ-TV	HUNTINGTON WV	138.8	CP MOD	BMPCDT	-20080414AAQ
24	WNEG-TV	TOCCOA GA	306.6	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	306.6	PLN	DTVPLN	-DTVP0880
24	WCVN-TV	COVINGTON KY	260.1	LIC	BLEDT	-20020201ABJ
24	WCVN-TV	COVINGTON KY	260.1	PLN	DTVPLN	-DTVP0884
24	WSFJ-TV	NEWARK OH	310.9	LIC	BLCDT	-20060620ABC
24	WSFJ-TV	NEWARK OH	310.9	PLN	DTVPLN	-DTVP0897
24	WDRL-TV	DANVILLE VA	263.4	APP	BPCDT	-20080317AIL

24	WDRL-TV	DANVILLE VA	265.6	PLN	DTVPLN	-DTVP0908
25	WUNF-TV	ASHEVILLE NC	207.7	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	207.7	PLN	DTVPLN	-DTVP0929
25	WUNF-TV	ASHEVILLE NC	207.7	APP	BPEDT	-20080619AEH
23	WPXK	JELICO TN	176.3	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 22

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WKPT-LP	KINGSPORT TN	BLTT	-19871119IB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WUNE-TV	LINVILLE NC	84.2	CP	BPEDT	-20080331AEO
17	WUNE-TV	LINVILLE NC	84.3	PLN	DTVPLN	-DTVP0607
17	WKOP-TV	KNOXVILLE TN	136.2	LIC	BLEDT	-20040405ACC
17	WKOP-TV	KNOXVILLE TN	136.2	PLN	DTVPLN	-DTVP0621
24	WKPI-TV	PIKEVILLE KY	84.5	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	84.5	PLN	DTVPLN	-DTVP0885
25	WATL	ATLANTA GA	341.6	LIC	BLCDT	-20020716AAH
25	WATL	ATLANTA GA	341.6	PLN	DTVPLN	-DTVP0919
25	WKAS	ASHLAND KY	215.1	LIC	BLET	-423
25	WUNF-TV	ASHEVILLE NC	123.3	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	123.3	PLN	DTVPLN	-DTVP0929
25	WJTV-LP	ASHEVILLE NC	111.4	LIC	BLTTL	-19990120JB
25	WUNF-TV	ASHEVILLE NC	123.3	APP	BPEDT	-20080619AEH
25	WUNC-TV	CHAPEL HILL NC	315.5	CP	BPEDT	-20080401AEW
25	WUNC-TV	CHAPEL HILL NC	315.5	PLN	DTVPLN	-DTVP0930
25	W25AY	JEFFERSON NC	98.4	LIC	BLTT	-19910123ID
25	WOLO-TV	COLUMBIA SC	314.8	LIC	BLCT	-20010129ADD
27	WUNW	CANTON NC	110.3	APP	BPEDT	-20080402AAN
27	WKPT-TV	KINGSPORT TN	41.6	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	41.5	PLN	DTVPLN	-DTVP1017
32	WSBN-TV	NORTON VA	41.4	LIC	BLEDT	-20030428ABR
32	WSBN-TV	NORTON VA	41.4	PLN	DTVPLN	-DTVP1202
39	WEMT	GREENEVILLE TN	57.1	LIC	BLCT	-20050411ABB
40	WHKY-TV	HICKORY NC	143.2	LIC	BLCDT	-20060630ABW
40	WHKY-TV	HICKORY NC	143.2	PLN	DTVPLN	-DTVP1444
40	WHKY-TV	HICKORY NC	143.4	APP	BPCDT	-20080619AAH
40	WLFV	BLUEFIELD WV	140.8	LIC	BLCT	-20001121AIB
40	WLFV	BLUEFIELD WV	140.8	PLN	DTVPLN	-DTVP1459
40	WLFV	BLUEFIELD WV	140.8	APP	BPCDT	-20080317AIS
23	WPXK	JELICO TN	142.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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# Analysis of Interference to Affected Station 23

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WKPT-LP	KINGSPORT TN	BSTA	-20060331AXC

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WUNE-TV	LINVILLE NC	84.2	CP	BPEDT	-20080331AEO
17	WUNE-TV	LINVILLE NC	84.3	PLN	DTVPLN	-DTVP0607
17	WKOP-TV	KNOXVILLE TN	136.2	LIC	BLEDT	-20040405ACC
17	WKOP-TV	KNOXVILLE TN	136.2	PLN	DTVPLN	-DTVP0621
24	WKPI-TV	PIKEVILLE KY	84.5	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	84.5	PLN	DTVPLN	-DTVP0885
25	WATL	ATLANTA GA	341.6	LIC	BLCDT	-20020716AAH

25	WATL	ATLANTA GA	341.6	PLN	DTVPLN	-DTVP0919
25	WKAS	ASHLAND KY	215.1	LIC	BLET	-423
25	W24BT	LEXINGTON KY	232.5	APP	BPTTL	-20011010AAH
25	WUNF-TV	ASHEVILLE NC	123.3	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	123.3	PLN	DTVPLN	-DTVP0929
25	WJJV-LP	ASHEVILLE NC	111.4	LIC	BLTTL	-19990120JB
25	WUNF-TV	ASHEVILLE NC	123.3	APP	BPEDT	-20080619AEH
25	WUNC-TV	CHAPEL HILL NC	315.5	CP	BPEDT	-20080401AEW
25	WUNC-TV	CHAPEL HILL NC	315.5	PLN	DTVPLN	-DTVP0930
25	W25AY	JEFFERSON NC	98.4	LIC	BLTT	-19910123ID
25	WOLO-TV	COLUMBIA SC	314.8	LIC	BLCT	-20010129ADD
25	WEDD-LP	ROANOKE, ETC. VA	228.5	CP	BDISTTL	-20070123ABM
27	WUNW	CANTON NC	110.3	APP	BPEDT	-20080402AAN
27	WKPT-TV	KINGSPORT TN	41.6	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	41.5	PLN	DTVPLN	-DTVP1017
32	WSBN-TV	NORTON VA	41.4	LIC	BLEDT	-20030428ABR
32	WSBN-TV	NORTON VA	41.4	PLN	DTVPLN	-DTVP1202
39	WEMT	GREENEVILLE TN	57.1	LIC	BLCT	-20050411ABB
40	WHKY-TV	HICKORY NC	143.2	LIC	BLCDT	-20060630ABW
40	WHKY-TV	HICKORY NC	143.2	PLN	DTVPLN	-DTVP1444
40	WHKY-TV	HICKORY NC	143.4	APP	BPCDT	-20080619AAH
40	WLFB	BLUEFIELD WV	140.8	LIC	BLCT	-20001121AIB
40	WLFB	BLUEFIELD WV	140.8	PLN	DTVPLN	-DTVP1459
40	WLFB	BLUEFIELD WV	140.8	APP	BPCDT	-20080317AIS
23	WPXK	JELLICO TN	142.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 24

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WPXK	JELLICO TN	USERRECORD-01

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WCTE	COOKEVILLE TN	107.7	PLN	DTVPLN -DTVP0824
22	WCTE	COOKEVILLE TN	107.7	CP	BPEDT -20080317ADB
22	WCTE	COOKEVILLE TN	107.7	APP	BMPEdT -20080620ADW
23	WJSP-TV	COLUMBUS GA	398.3	CP MOD	BMPEdT -20070907ACX
23	WJSP-TV	COLUMBUS GA	398.3	PLN	DTVPLN -DTVP0840
23	WIPB	MUNCIE IN	422.9	CP	BPEDT -20080227ABW
23	WIPB	MUNCIE IN	422.9	PLN	DTVPLN -DTVP0847
23	WIPB	MUNCIE IN	422.9	APP	BMPEdT -20080620AAH
23	WBTV	CHARLOTTE NC	293.3	LIC	BLCDT -19991025AEB
23	WBTV	CHARLOTTE NC	293.3	PLN	DTVPLN -DTVP0852
23	WNAB	NASHVILLE TN	234.9	LIC	BLCDT -20040712AAO
23	WNAB	NASHVILLE TN	234.9	PLN	DTVPLN -DTVP0863
23	WSAZ-TV	HUNTINGTON WV	290.4	APP	BMPCDT -20080619AAD
23	WSAZ-TV	HUNTINGTON WV	290.4	PLN	DTVPLN -DTVP0870
23	WSAZ-TV	HUNTINGTON WV	290.4	CP MOD	BMPCDT -20080414AAQ
24	WNEG-TV	TOCCOA GA	212.8	CP MOD	BMPCDT -20080410ABJ
24	WNEG-TV	TOCCOA GA	212.8	PLN	DTVPLN -DTVP0880
24	WKPI-TV	PIKEVILLE KY	176.3	LIC	BLEDT -20020313ABL
24	WKPI-TV	PIKEVILLE KY	176.3	PLN	DTVPLN -DTVP0885

Total scenarios = 6

Result key: 1  
Scenario 1 Affected station 24  
Before Analysis

Results for: 23A TN JELLICO USERRECORD01 APP  
HAAT 431.0 m, ATV ERP 0.5 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 44425 2359.6

not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3276	96.6
lost to ATV IX only	3276	96.6
lost to all IX	3276	96.6

Potential Interfering Stations Included in above Scenario 1

23A TN NASHVILLE	BLCDDT	20040712AAO	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0870	PLN

Result key: 2  
Scenario 2 Affected station 24  
Before Analysis

Results for: 23A TN JELICO USERRECORD01 APP

HAAT 431.0 m, ATV ERP 0.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	44425	2359.6
not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3704	100.7
lost to ATV IX only	3704	100.7
lost to all IX	3704	100.7

Potential Interfering Stations Included in above Scenario 2

23A TN NASHVILLE	BLCDDT	20040712AAO	LIC
23A WV HUNTINGTON	BMPCDDT	20080414AAQ	CP

Result key: 3  
Scenario 3 Affected station 24  
Before Analysis

Results for: 23A TN JELICO USERRECORD01 APP

HAAT 431.0 m, ATV ERP 0.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	44425	2359.6
not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3276	96.6
lost to ATV IX only	3276	96.6
lost to all IX	3276	96.6

Potential Interfering Stations Included in above Scenario 3

23A TN NASHVILLE	DTVPLN	DTVP0863	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0870	PLN

Result key: 4  
Scenario 4 Affected station 24  
Before Analysis

Results for: 23A TN JELICO USERRECORD01 APP

HAAT 431.0 m, ATV ERP 0.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	44425	2359.6
not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3704	100.7
lost to ATV IX only	3704	100.7
lost to all IX	3704	100.7

Potential Interfering Stations Included in above Scenario 4

23A TN NASHVILLE	DTVPLN	DTVP0863	PLN
23A WV HUNTINGTON	BMPCDDT	20080414AAQ	CP

Result key: 5  
Scenario 5 Affected station 24

Before Analysis

Results for: 23A TN JELICO USERRECORD01 APP  
 HAAT 431.0 m, ATV ERP 0.5 kW  

	POPULATION	AREA (sq km)
within Noise Limited Contour	44425	2359.6
not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3850	104.7
lost to ATV IX only	3850	104.7
lost to all IX	3850	104.7

Potential Interfering Stations Included in above Scenario 5

23A TN NASHVILLE BLCDT 20040712AAO LIC  
 23A WV HUNTINGTON BMPCDT 20080619AAD APP

Result key: 6  
 Scenario 6 Affected station 24  
 Before Analysis

Results for: 23A TN JELICO USERRECORD01 APP  
 HAAT 431.0 m, ATV ERP 0.5 kW  

	POPULATION	AREA (sq km)
within Noise Limited Contour	44425	2359.6
not affected by terrain losses	30096	1771.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3850	104.7
lost to ATV IX only	3850	104.7
lost to all IX	3850	104.7

Potential Interfering Stations Included in above Scenario 6

23A TN NASHVILLE DTVPLN DTVP0863 PLN  
 23A WV HUNTINGTON BMPCDT 20080619AAD APP

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

# APPENDIX

FCC FORM 301, SECTION III-D  
TECH BOX FOR PROPOSED SFN SITE

# TECH BOX

1. Channel Number: DTV 23 Analog TV, if any 54

2. Zone: ☐ I ☒ II ☐ III

3. Antenna Location Coordinates: (NAD 27)

36° 24' 36" ☒ N ☐ S Latitude  
84° 10' 38" ☐ E ☒ W Longitude

4. Antenna Structure Registration Number: \_\_\_\_\_

☒ Not applicable ☐ FAA Notification Filed with FAA

5. Antenna Location Site Elevation Above Mean Sea Level: 887 meters

6. Overall Tower Height Above Ground Level: 37 meters

7. Height of Radiation Center Above Ground Level: 34 meters

8. Height of Radiation Center Above Average Terrain: 431 meters

9. Maximum Effective Radiated Power (average power): 0.5 kW

10. Antenna Specifications:

a. 

Manufacturer	<u>SCA</u>	Model	<u>CL-1469</u>
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b. Electrical Beam Tilt: \_\_\_\_\_ degrees ☒ Not Applicable

c. Mechanical Beam Tilt: 1.0 degrees toward azimuth 13 degrees True ☐ Not Applicable

Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).

Exhibit No. \_\_\_\_\_

d. Polarization: ☒ Horizontal ☐ Circular ☐ Elliptical

e. Directional Antenna Relative Field Values: ☐ Not applicable (Nondirectional)

Rotation: 13° ☐ No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.000	60	0.010	120	0.010	180	0.010	240	0.010	300	0.010
10	0.947	70	0.010	130	0.010	190	0.010	250	0.010	310	0.086
20	0.812	80	0.010	140	0.010	200	0.010	260	0.010	320	0.361
30	0.622	90	0.010	150	0.010	210	0.010	270	0.010	330	0.622
40	0.361	100	0.010	160	0.010	220	0.010	280	0.010	340	0.812
50	0.086	110	0.010	170	0.010	230	0.010	290	0.010	350	0.947
Additional Azimuths											

If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. **Exhibit required.**

Exhibit No. \_\_\_\_\_