

TECHNICAL EXHIBIT  
APPLICATION FOR MODIFICATION OF DIGITAL COMPANION CHANNEL  
K30MG TRANSLATOR  
KIRKSVILLE, MISSOURI  
CH 30 8.2 KW

Technical Exhibit

The technical exhibit supports an application for a modification of the digital companion channel for K34CW assigned to Kirksville, Missouri. It is proposed to modify K30MG on Channel 30 to operate on another tower located 5.6 kilometers (3.5 miles) away from its present authorization and also is paired analog station, K34CW.

Summary of Proposed Facilities

Below is a tabulation of the proposed paired digital facility:

Channel:	30
Geographic Coordinates:	40° 13' 46" North Latitude 92° 32' 39" West Longitude
Antenna Structure Registration:	1239220
Overall Tower Height:	149.3 meters
Ground Elevation:	291.0 meters
Radiation Center:	399 meters AMSL 108 meters (355 feet) AGL
Antenna Type:	Scala, SL-8
Antenna Major Lobe Orientation:	n/a (omni directional)
Transmitter Power Output:	1.0 kilowatt (1,000 watts)
Transmission Line:	Andrew 1-5/8" Air Dielectric 400'
Emissions Mask:	Stringent
Effective Radiated Power:	8.2 kilowatts (8,200 watts)

Figure 1 is a map depicting the proposed translator's contour digital contour.

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other post-transition licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. Using the procedures outlined in the FCC's OET-69 Bulletin, the allocation study is provided in Figure 2.

Radiofrequency Electromagnetic Field Exposure

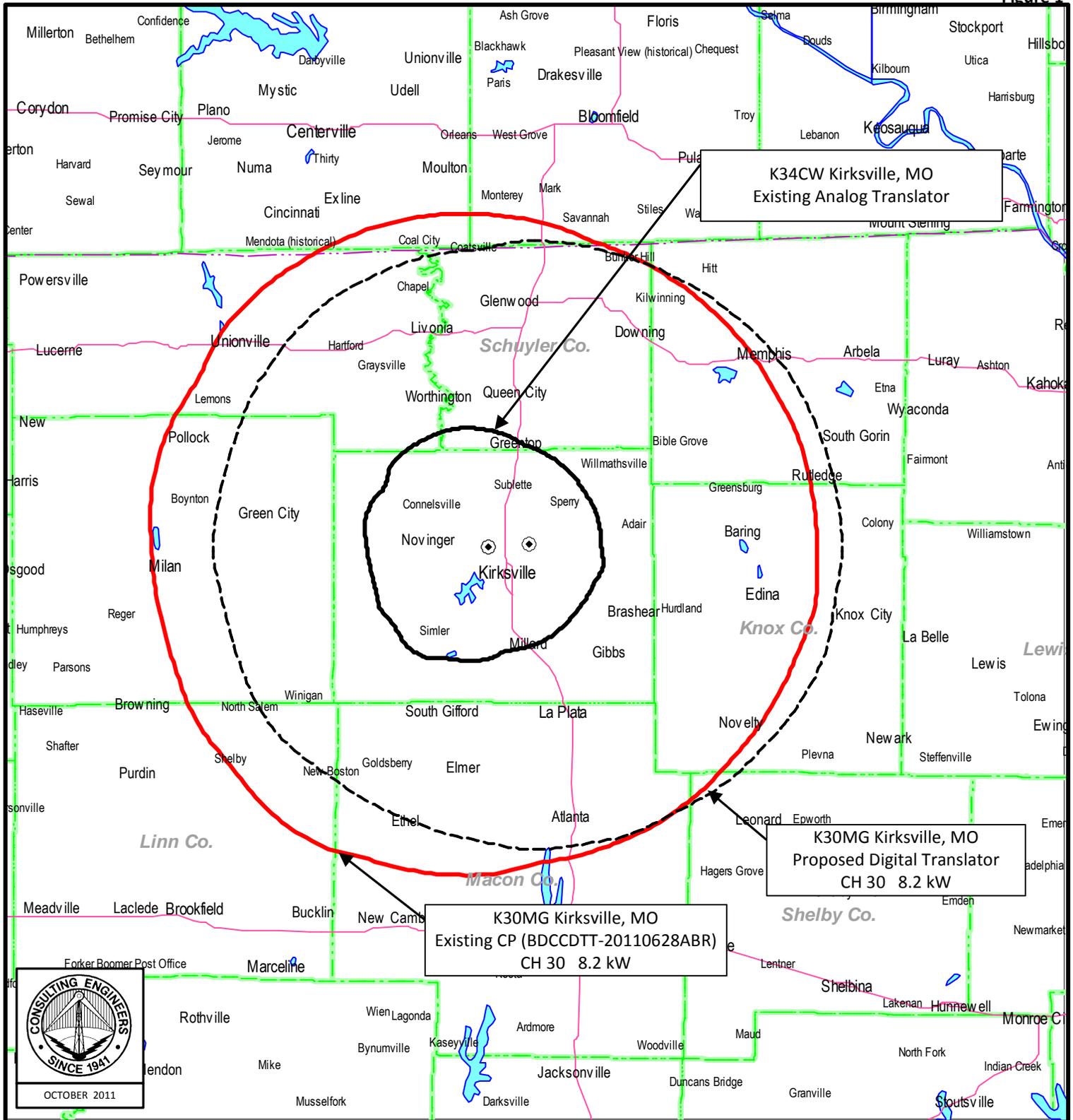
The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 128 meters above ground level. The proposed ERP of 8.2 kW is assumed. A conservative relative field value of 0.5 was assumed for the Scala antenna's downward radiation. The calculated power density at ground level is 0.005 mW/cm<sup>2</sup>. This is less than 5% of the FCC's recommended limit of 0.38 mW/cm<sup>2</sup> for channel 30 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.

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October 12, 2011

Figure 1



**FCC PREDICTED PROTECTED COVERAGE CONTOURS**  
**DIGITAL COMPANION CHANNEL TRANSLATOR K30MG**  
**KIRKSVILLE, MISSOURI**  
**CH 30 8.2 KW**

du Treil, Lundin & Rackley, Inc Sarasota, Florida

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 APPLICATION FOR MODIFICATION OF DIGITAL COMPANION CHANNEL  
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OET-69 Allocation Analysis

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  
 /export/home/cdbs/pt\_tvdb.sff

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

K30MG-D 30 KIRKSVILLE MO BDCCDTT 20110628ABR

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-13-2011 Time: 12:16:43

Record Selected for Analysis

K34CW USERRECORD-01 KIRKSVILLE MO US  
 Channel 30 ERP 8.2 kW HAAT 125. m RCAMSL 00399 m STRINGENT MASK  
 Latitude 040-13-46 Longitude 0092-32-39  
 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	8.200	112.8	41.0	
45.0	8.200	119.2	41.5	
90.0	8.200	130.8	42.3	
135.0	8.200	127.0	42.1	
180.0	8.200	114.4	41.1	
225.0	8.200	122.3	41.7	
270.0	8.200	134.1	42.6	
315.0	8.200	136.1	42.7	

Figure 2

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

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Start of Interference Analysis

		Proposed Station			
Channel	Call	City/State	ARN		
30	K34CW	KIRKSVILLE MO	USERRECORD01		

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	K23CI	OTTUMWA IA	79.1	CP	BPTT	-20100526ACT
23	K23CI	OTTUMWA IA	82.6	LIC	BLTT	-19890518IJ
23	W23DP	QUINCY IL	108.3	CP	BNPTTL	-20000831BKG
27	K27CV	OTTUMWA IA	82.6	LIC	BLTT	-19890518IK
27	K27CV	OTTUMWA IA	78.9	CP	BPTT	-20100526ACR
29	K29EA	DES MOINES IA	181.9	LIC	BLTTL	-20011217ADD
29	NEW	COLUMBIA MO	157.7	APP	BNPDTL	-20100902ABD
30	KHHH-LP	CEDAR RAPIDS IA	204.7	CP	BDISDTL	-20110203ADT
30	NEW	KEOKUK IA	97.5	APP	BNPDTL	-20101013AAV
30	NEW	SIOUX CITY IA	401.6	APP	BNPDTL	-20100217ABP
30	WCRD-LP	CARTHAGE IL	363.6	CP	BDCCDTL	-20061030AMS
30	W30DK-D	EFFINGHAM IL	365.1	CP	BNPDTL	-20100219ABR
30	W30DK-D	EFFINGHAM IL	365.1	APP	BMPDTL	-20111006ACR
30	WMBD-TV	PEORIA IL	258.2	LIC	BLCDT	-20061019ADD
30	WSPY-LP	PLANO IL	369.3	LIC	BLTTL	-19900514IR
30	K30LZ-D	FORT RILEY KS	376.7	CP	BNPDTL	-20100510AFK
30	K30AL-D	IOLA KS	340.6	LIC	BLDTT	-20090226ABD
30	NEW	PAXICO KS	336.6	APP	BNPDTL	-20100514AIC
30	NEW	ALBERT LEO MN	391.4	APP	BNPDTL	-20100510AJS
30	NEW	CAPE GIRARDEAU MO	395.5	APP	BNPDTL	-20100907ACB
30	K30JZ	COLUMBIA MO	140.1	CP	BNPTTL	-20000829ALQ
30	KCLJ-LP	JOPLIN MO	387.7	LIC	BLTTA	-20050506ACG
30	KCLJ-LP	JOPLIN MO	387.7	CP	BDFCDTA	-20100813CAI
30	KCLJ-LP	JOPLIN MO	387.7	STA	BSTA	-20030422ABP
30	NEW	SAINT JOSEPH MO	225.9	APP	BNPDTL	-20100902ABO
31	KCCI	DES MOINES IA	197.5	CP	BDRTCDDT	-20090916ABZ
34	K34JU-D	COLUMBIA MO	137.0	CP	BNPTTL	-20000830BKD
34	K34CW	KIRKSVILLE MO	5.6	LIC	BLTT	-19981210JB

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	K23CI	OTTUMWA IA	BPTT	-20100526ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KYOU-TV	OTTUMWA IA	46.5	LIC	BLCDT	-20091013AAV
15	KYOU-TV	OTTUMWA IA	46.5	CP	BPCDT	-20110209AAE
16	KDSM-TV	DES MOINES IA	143.3	LIC	BLCDT	-20110609ABE
19	KDMI	DES MOINES IA	143.3	CP MOD	BMPCDT	-20090423ABJ
19	KDMI-DR	DES MOINES IA	143.3	APP	BPRM	-20081219AFT
22	NEW	OTTUMWA IA	9.2	APP	BNPDTL	-20101013AAS
23	KCWI-TV	AMES IA	143.3	LIC	BLCDT	-20090612AIO
23	WQPT-TV	MOLINE IL	173.2	LIC	BLEDT	-20030702AAR
25	KWKB	IOWA CITY IA	123.3	CP	BPCDT	-20080620AFU
25	KWKB	IOWA CITY IA	123.3	LIC	BLCDT	-20070130AJQ
27	KFXA	CEDAR RAPIDS IA	131.3	LIC	BLCDT	-20050713ABD
30	K34CW	KIRKSVILLE MO	79.1	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	K23CI	OTTUMWA IA	BLTT	-19890518IJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KYOU-TV	OTTUMWA IA	45.1	LIC	BLCDT	-20091013AAV
15	KYOU-TV	OTTUMWA IA	45.1	CP	BPCDT	-20110209AAE
16	KDSM-TV	DES MOINES IA	139.9	LIC	BLCDT	-20110609ABE
19	KDMI	DES MOINES IA	139.9	CP MOD	BMPCDT	-20090423ABJ
19	KDMI-DR	DES MOINES IA	139.9	APP	BPRM	-20081219AFT
22	NEW	OTTUMWA IA	12.9	APP	BNPDTL	-20101013AAS
23	KCWI-TV	AMES IA	139.9	LIC	BLCDT	-20090612AIO
23	WQPT-TV	MOLINE IL	173.3	LIC	BLEDT	-20030702AAR
25	KWKB	IOWA CITY IA	121.4	CP	BPCDT	-20080620AFU
25	KWKB	IOWA CITY IA	121.4	LIC	BLCDT	-20070130AJQ
27	KFXA	CEDAR RAPIDS IA	127.8	LIC	BLCDT	-20050713ABD
30	K34CW	KIRKSVILLE MO	82.6	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	W23DP	QUINCY IL	BNPTTL	-20000831BKG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WSEC	JACKSONVILLE IL	115.8	LIC	BLEDT	-20031031ADN
21	WMEC	MACOMB IL	72.8	LIC	BLEDT	-20031031ADO
23	KCWI-TV	AMES IA	285.2	LIC	BLCDT	-20090612AIO
23	WQPT-TV	MOLINE IL	173.3	LIC	BLEDT	-20030702AAR
23	KOZK	SPRINGFIELD MO	337.3	LIC	BLEDT	-20030911AAS
30	K34CW	KIRKSVILLE MO	108.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	K27CV	OTTUMWA IA	BLTT -19890518IK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	KDMI	DES MOINES IA	139.9	CP MOD	BMPCDT -20090423ABJ
19	KDMI-DR	DES MOINES IA	139.9	APP	BPRM -20081219AFT
23	KCWI-TV	AMES IA	139.9	LIC	BLCDT -20090612AIO
25	KWKB	IOWA CITY IA	121.4	CP	BPCDT -20080620AFU
25	KWKB	IOWA CITY IA	121.4	LIC	BLCDT -20070130AJQ
26	NEW	OTTUMWA IA	12.9	APP	BNPDTL -20101013AAT
27	KFXA	CEDAR RAPIDS IA	127.8	LIC	BLCDT -20050713ABD
27	KSNT	TOPEKA KS	355.4	LIC	BLCDT -20090910ABY
34	WQEC	QUINCY IL	143.1	LIC	BLEDT -20040715ADL
41	KGCW	BURLINGTON IA	134.5	LIC	BLCDT -20081120ABD
42	KUMK-LP	OTTUMWA IA	9.8	LIC	BLTT -19980803JD
30	K34CW	KIRKSVILLE MO	82.6	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	K27CV	OTTUMWA IA	BPTT -20100526ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	KDMI	DES MOINES IA	143.4	CP MOD	BMPCDT -20090423ABJ
19	KDMI-DR	DES MOINES IA	143.4	APP	BPRM -20081219AFT
23	KCWI-TV	AMES IA	143.4	LIC	BLCDT -20090612AIO
25	KWKB	IOWA CITY IA	123.4	CP	BPCDT -20080620AFU
25	KWKB	IOWA CITY IA	123.4	LIC	BLCDT -20070130AJQ
26	NEW	OTTUMWA IA	9.1	APP	BNPDTL -20101013AAT
27	KFXA	CEDAR RAPIDS IA	131.4	LIC	BLCDT -20050713ABD
27	KSNT	TOPEKA KS	354.2	LIC	BLCDT -20090910ABY
34	WQEC	QUINCY IL	139.4	LIC	BLEDT -20040715ADL
41	KGCW	BURLINGTON IA	134.1	LIC	BLCDT -20081120ABD
42	KUMK-LP	OTTUMWA IA	13.4	LIC	BLTT -19980803JD
30	K34CW	KIRKSVILLE MO	78.9	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	K29EA	DES MOINES IA	BLTTL -20011217ADD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KTIN	FORT DODGE IA	145.1	LIC	BLEDT -20070822ACB
27	KFXA	CEDAR RAPIDS IA	132.6	LIC	BLCDT -20050713ABD
29	WFTC	MINNEAPOLIS MN	379.0	LIC	BLCDT -20100809CJF

Figure 2

29	KMBC-DR	KANSAS CITY MO	297.6	APP	BPRM	-20080616AEO
29	KMBC-TV	KANSAS CITY MO	297.6	LIC	BLCDT	-20090618ACY
30	K34CW	KIRKSVILLE MO	181.9	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	NEW	COLUMBIA MO	BNPDTL	-20100902ABD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	KLMC-LP	JEFFERSON CITY MO	27.1	CP	BPTTL	-20090824AME
29	KMBC-DR	KANSAS CITY MO	197.8	APP	BPRM	-20080616AEO
29	KMBC-TV	KANSAS CITY MO	197.8	LIC	BLCDT	-20090618ACY
29	K29JF-D	ROLLA MO	104.3	CP	BNPDTL	-20090825BJZ
30	K30JZ	COLUMBIA MO	26.1	CP	BNPTTL	-20000829ALQ
30	K34CW	KIRKSVILLE MO	157.7	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	KHHH-LP	CEDAR RAPIDS IA	BDISDTL	-20110203ADT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	NEW	KEOKUK IA	175.1	APP	BNPDTL	-20101013AAV
30	WCRD-LP	CARTHAGE IL	210.6	CP	BDCCTL	-20061030AMS
30	WMBD-TV	PEORIA IL	231.4	LIC	BLCDT	-20061019ADD
30	WHLA-TV	LA CROSSE WI	207.4	LIC	BMLEDT	-20041013AAL
30	K34CW	KIRKSVILLE MO	204.7	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	NEW	KEOKUK IA	BNPDTL	-20101013AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KHHH-LP	CEDAR RAPIDS IA	175.1	CP	BDISDTL	-20110203ADT
30	WMBD-TV	PEORIA IL	160.8	LIC	BLCDT	-20061019ADD
30	WHLA-TV	LA CROSSE WI	379.4	LIC	BMLEDT	-20041013AAL
30	K34CW	KIRKSVILLE MO	97.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 9



Figure 2

30	KHHH-LP	CEDAR RAPIDS IA	210.6	CP	BDISDTL	-20110203ADT
30	WDCI-LP	CHICAGO IL	135.7	APP	BDISDTL	-20110224AAV
30	WOCK-CD	CHICAGO IL	135.1	APP	BDISDTA	-20100311ABP
30	WDCI-LP	ELGIN IL	135.7	APP	BSTA	-20110224AAW
30	WMBD-TV	PEORIA IL	187.2	LIC	BLCDT	-20061019ADD
30	WSPY-LP	PLANO IL	85.7	LIC	BLTTL	-19900514IR
30	WWAZ-TV	COLUMBUS WI	116.6	CP MOD	BMPCDT	-20110104ABE
30	WHLA-TV	LA CROSSE WI	244.8	LIC	BMLEDT	-20041013AAL
30	WPVS-LP	SHEBOYGAN WI	136.4	CP	BDISDTL	-20090911ABD
31	W31DT-D	STERLING - DIXON IL	57.0	CP	BDCCDTL	-20110726AJF
30	K34CW	KIRKSVILLE MO	363.6	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	W30DK-D	EFFINGHAM IL	BNPDTL -20100219ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	W29CI	SALEM IL	62.1	CP	BDFCDTA -20090813ADE
30	WMBD-TV	PEORIA IL	197.7	LIC	BLCDT -20061019ADD
30	NEW	BRAZIL IN	126.2	APP	BNPDTL -20100510AFI
30	WKOI	OWENSBORO KY	169.2	LIC	BLEDT -20020304ALJ
30	WRGT-TV	DAYTON OH	379.9	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	379.9	APP	BPCDT -20110610ACR
30	K34CW	KIRKSVILLE MO	365.1	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DK-D	EFFINGHAM IL	BMPDTL -20111006ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	W29CI	SALEM IL	62.1	CP	BDFCDTA -20090813ADE
30	WMBD-TV	PEORIA IL	197.7	LIC	BLCDT -20061019ADD
30	NEW	BRAZIL IN	126.2	APP	BNPDTL -20100510AFI
30	WKOI	OWENSBORO KY	169.2	LIC	BLEDT -20020304ALJ
30	WRGT-TV	DAYTON OH	379.9	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	379.9	APP	BPCDT -20110610ACR
30	K34CW	KIRKSVILLE MO	365.1	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WMBD-TV	PEORIA IL	BLCDT -20061019ADD

Stations Potentially Affecting This Station

Figure 2

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WMAQ-TV	CHICAGO IL	210.7	LIC	BLCDDT	-20010531ACY
30	WKOI	OWENSBORO KY	363.1	LIC	BLEDDT	-20020304ALJ
30	WHLA-TV	LA CROSSE WI	383.1	LIC	BMLDDT	-20041013AAL
31	WFLD	CHICAGO IL	210.7	LIC	BLCDDT	-20090223ABV
30	K34CW	KIRKSVILLE MO	258.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
 Scenario 1 Affected station 14  
 Before Analysis

Results for: 30A IL PEORIA BLCDDT 20061019ADD LIC  
 HAAT 193.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	711664	19306.2
not affected by terrain losses	711549	19286.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 30A IL PEORIA BLCDDT 20061019ADD LIC  
 HAAT 193.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	711664	19306.2
not affected by terrain losses	711549	19286.3
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 MO KIRKSVILLE USERRECORD01 APP

Percent new IX = 0.0003%

Worst case new IX 0.0003% Scenario 1

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WSPY-LP	PLANO IL	BLTTL	-19900514IR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WCIU-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20060525ADR
27	WCIU-TV	CHICAGO IL	81.5	CP MOD	BMPDDT	-20090105ACO
28	WYZZ-TV	BLOOMINGTON IL	124.0	LIC	BLCDDT	-20060609ABE
29	WMAQ-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20010531ACY
30	WCRD-LP	CARTHAGE IL	85.7	CP	BDCCDDL	-20061030AMS
30	WDCI-LP	CHICAGO IL	82.8	APP	BDISDDL	-20110224AAV
30	WOCK-CD	CHICAGO IL	83.1	APP	BDISDDA	-20100311ABP
30	WDCI-LP	ELGIN IL	82.8	APP	BSTA	-20110224AAW
30	WMBD-TV	PEORIA IL	140.0	LIC	BLCDDT	-20061019ADD
30	WHLA-TV	LA CROSSE WI	329.4	LIC	BMLDDT	-20041013AAL
31	WFLD	CHICAGO IL	81.5	LIC	BLCDDT	-20090223ABV
38	WGBO-DT	JOLIET IL	83.1	LIC	BLCDDT	-20100709AJT
44	WLS-TV	CHICAGO IL	81.5	CP MOD	BMPDDT	-20110331ABW

Figure 2

44	WLS-DR	CHICAGO IL	81.5	APP	BPRM	-20090724AEG
45	WSNS-TV	CHICAGO IL	81.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	81.5	CP	BPCDT	-20080620AMW
30	K34CW	KIRKSVILLE MO	369.3	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30LZ-D	FORT RILEY KS	BNPDTL -20100510AFK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	KGBD-LP	GREAT BEND KS	191.8	CP	BDFCDTL -20090522ABV
30	KGBD-LP	GREAT BEND KS	191.8	LIC	BLTT -20030805AIJ
30	K30AL-D	IOLA KS	186.5	LIC	BLDTT -20090226ABD
30	NEW	PAXICO KS	43.0	APP	BNPDTL -20100514AIC
30	K30LK-D	SALINA KS	89.1	CP	BNPDTL -20100419ACL
30	NEW	SAINT JOSEPH MO	169.2	APP	BNPDTL -20100902ABO
31	K31BW	MANHATTAN KS	18.7	LIC	BLTTL -19890119II
30	K34CW	KIRKSVILLE MO	376.7	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30AL-D	IOLA KS	BLDTT -20090226ABD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	K30LZ-D	FORT RILEY KS	186.5	CP	BNPDTL -20100510AFK
30	NEW	PAXICO KS	158.6	APP	BNPDTL -20100514AIC
30	KCLJ-LP	JOPLIN MO	115.1	LIC	BLTTA -20050506ACG
30	KCLJ-LP	JOPLIN MO	115.2	CP	BDFCDTA -20100813CAI
30	KCLJ-LP	JOPLIN MO	115.1	STA	BSTA -20030422ABP
30	K34CW	KIRKSVILLE MO	340.6	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	NEW	PAXICO KS	BNPDTL -20100514AIC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	K30LZ-D	FORT RILEY KS	43.0	CP	BNPDTL -20100510AFK
30	K30AL-D	IOLA KS	158.6	LIC	BLDTT -20090226ABD
30	K30LK-D	SALINA KS	131.2	CP	BNPDTL -20100419ACL
30	NEW	SAINT JOSEPH MO	139.3	APP	BNPDTL -20100902ABO
30	K34CW	KIRKSVILLE MO	336.6	APP	USERRECORD-01

Proposal causes no interference

Figure 2

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	NEW	ALBERT LEO MN	BNPDTL -20100510AJS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	K29IF-D	FROST MN	42.8	LIC	BLDTL -20080505ABD
29	K29IF-D	FROST MN	42.8	CP MOD	BMPDTL -20080116AAN
30	K30KQ-D	JACKSON MN	127.0	CP	BNPDTL -20090825BEE
30	K30FN-D	ST. JAMES MN	105.1	LIC	BLDTL -20100416AAI
30	WHLA-TV	LA CROSSE WI	165.0	LIC	BMLEDT -20041013AAL
31	K31EF-D	FROST MN	42.8	LIC	BLDTT -20090730ACQ
30	K34CW	KIRKSVILLE MO	391.4	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.
30	NEW	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	WKOH	OWENSBORO KY	238.5	LIC	BLEDT -20020304ALJ
30	W30DC-D	LEXINGTON TN	214.5	CP	BNPDTL -20090825BAK
30	K34CW	KIRKSVILLE MO	395.5	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30JZ	COLUMBIA MO	BNPTTL -20000829ALQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	NEW	COLUMBIA MO	26.1	APP	BNPDTL -20100902ABD
30	WMBD-TV	PEORIA IL	312.8	LIC	BLCDT -20061019ADD
30	K34CW	KIRKSVILLE MO	140.1	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.
30	KCLJ-LP	JOPLIN MO	BLTTA -20050506ACG

Figure 2

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	KOZK	SPRINGFIELD MO	128.9	LIC	BLEDT	-20030911AAS
28	KOZL-TV	SPRINGFIELD MO	128.9	LIC	BLCDT	-20070213ABB
30	KEGW-LP	FAYETTEVILLE AR	102.2	APP	BDISDTL	-20100922ABP
30	NEW	FAYETTEVILLE AR	118.4	APP	BNPDTL	-20100205AAN
30	KLRT-TV	LITTLE ROCK AR	303.2	LIC	BLCDT	-20020507AAK
30	NEW	SPRINGDALE AR	97.6	APP	BNPDTL	-20100212ABE
30	K30AL-D	IOLA KS	115.1	LIC	BLDTT	-20090226ABD
31	KWBM	HARRISON AR	124.1	LIC	BLCDT	-20091201ASC
34	KPBI	EUREKA SPRINGS AR	81.2	LIC	BLCDT	-20090825BGM
34	KPBI	EUREKA SPRINGS AR	81.2	CP	BPCDT	-20080620ABE
44	KYTV	SPRINGFIELD MO	129.1	LIC	BLCDT	-20020213AAA
30	K34CW	KIRKSVILLE MO	387.7	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	KCLJ-LP	JOPLIN MO	BDFCDTA	-20100813CAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	K29JJ-D	SPRINGDALE AR	75.5	CP	BNPDTL	-20090825BUE
30	KEGW-LP	FAYETTEVILLE AR	102.2	APP	BDISDTL	-20100922ABP
30	NEW	FAYETTEVILLE AR	118.4	APP	BNPDTL	-20100205AAN
30	KLRT-TV	LITTLE ROCK AR	303.1	LIC	BLCDT	-20020507AAK
30	NEW	SPRINGDALE AR	97.5	APP	BNPDTL	-20100212ABE
30	K30AL-D	IOLA KS	115.2	LIC	BLDTT	-20090226ABD
31	KWBM	HARRISON AR	124.1	LIC	BLCDT	-20091201ASC
30	K34CW	KIRKSVILLE MO	387.7	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	KCLJ-LP	JOPLIN MO	BSTA	-20030422ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	KOZK	SPRINGFIELD MO	128.9	LIC	BLEDT	-20030911AAS
28	KOZL-TV	SPRINGFIELD MO	128.9	LIC	BLCDT	-20070213ABB
30	KEGW-LP	FAYETTEVILLE AR	102.2	APP	BDISDTL	-20100922ABP
30	NEW	FAYETTEVILLE AR	118.4	APP	BNPDTL	-20100205AAN
30	KLRT-TV	LITTLE ROCK AR	303.2	LIC	BLCDT	-20020507AAK
30	NEW	SPRINGDALE AR	97.6	APP	BNPDTL	-20100212ABE
30	K30AL-D	IOLA KS	115.1	LIC	BLDTT	-20090226ABD
31	KWBM	HARRISON AR	124.1	LIC	BLCDT	-20091201ASC
34	KPBI	EUREKA SPRINGS AR	81.2	LIC	BLCDT	-20090825BGM
34	KPBI	EUREKA SPRINGS AR	81.2	CP	BPCDT	-20080620ABE
44	KYTV	SPRINGFIELD MO	129.1	LIC	BLCDT	-20020213AAA
30	K34CW	KIRKSVILLE MO	387.7	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

Figure 2

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	NEW	SAINT JOSEPH MO	BNPDTL -20100902ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	KMBC-DR	KANSAS CITY MO	124.1	APP	BPRM -20080616AEO
29	KMBC-TV	KANSAS CITY MO	124.1	LIC	BLCDT -20090618ACY
30	K30LZ-D	FORT RILEY KS	169.2	CP	BNPDTL -20100510AFK
30	NEW	PAXICO KS	139.3	APP	BNPDTL -20100514AIC
31	KCWE	KANSAS CITY MO	124.1	LIC	BLCDT -20051014ABT
30	K34CW	KIRKSVILLE MO	225.9	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	KCCI	DES MOINES IA	BDRTCDT -20090916ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KCWE	KANSAS CITY MO	312.3	LIC	BLCDT -20051014ABT
32	K32ID-D	DES MOINES IA	16.4	CP	BDCCDTL -20061030AKM
30	K34CW	KIRKSVILLE MO	197.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	K34JU-D	COLUMBIA MO	BNPTTL -20000830BKD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WTJR	QUINCY IL	133.9	LIC	BLCDT -20091110ADL
33	NEW	JEFFERSON CITY MO	39.1	APP	BNPDTL -20100208ABF
34	KPBI	EUREKA SPRINGS AR	324.8	LIC	BLCDT -20090825BGM
34	KPBI	EUREKA SPRINGS AR	324.8	CP	BPCDT -20080620ABE
34	KEFB	AMES IA	352.1	LIC	BLEDT -20090720AAA
34	KQIN	DAVENPORT IA	301.9	LIC	BLEDT -20080620AFY
34	KQIN	DAVENPORT IA	301.9	CP	BPEDT -20080620AIO
34	WSIL-TV	HARRISBURG IL	335.1	LIC	BLCDT -20080718AAR
34	WQEC	QUINCY IL	135.4	LIC	BLEDT -20040715ADL
34	WDAF-TV	KANSAS CITY MO	200.4	LIC	BLCDT -20091008AAW
34	K34KX-D	ROLLA MO	124.2	CP	BNPDTL -20090825BKD
49	KRBK	OSAGE BEACH MO	139.1	CP	BPCDT -20110825ACC
49	KRBK	OSAGE BEACH MO	139.1	LIC	BLCDT -20090805AAX
49	KRBK	OSAGE BEACH MO	125.1	CP	BPCDT -20110825ACC
30	K34CW	KIRKSVILLE MO	137.0	APP	USERRECORD-01
49	KRBK	OSAGE BEACH MO		CP	BPCDT -20110825ACC
49	KRBK	OSAGE BEACH MO		CP	BPCDT -20110825ACC
49	KRBK	OSAGE BEACH MO		CP	BPCDT -20110825ACC

Figure 2

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34CW	KIRKSVILLE MO	BLTT	-19981210JB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WTJR	QUINCY IL	112.6	LIC	BLCDT	-20091110ADL
33	KTVO	KIRKSVILLE MO	36.5	LIC	BLCDT	-20030604AAC
34	KEFB	AMES IA	216.6	LIC	BLEDT	-20090720AAA
34	KQIN	DAVENPORT IA	223.1	LIC	BLEDT	-20080620AFY
34	KQIN	DAVENPORT IA	223.1	CP	BPEDT	-20080620AIO
34	WQEC	QUINCY IL	114.0	LIC	BLEDT	-20040715ADL
34	WDAF-TV	KANSAS CITY MO	213.0	LIC	BLCDT	-20091008AAW
30	K34CW	KIRKSVILLE MO	5.6	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	K34CW	KIRKSVILLE MO	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KHHH-LP	CEDAR RAPIDS IA	204.7	CP	BDISDTL	-20110203ADT
30	NEW	KEOKUK IA	97.5	APP	BNPDTL	-20101013AAV
30	WMBD-TV	PEORIA IL	258.2	LIC	BLCDT	-20061019ADD
30	K30JZ	COLUMBIA MO	140.1	CP	BNPTTL	-20000829ALQ

Total scenarios = 3

Result key: 3  
Scenario 1 Affected station 29  
Before Analysis

Results for: 30A MO KIRKSVILLE USERRECORD01 APP  
HAAT 125.0 m, ATV ERP 8.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	43342	5729.0
not affected by terrain losses	43342	5729.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

Result key: 4  
Scenario 2 Affected station 29  
Before Analysis

Results for: 30A MO KIRKSVILLE USERRECORD01 APP  
HAAT 125.0 m, ATV ERP 8.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	43342	5729.0

Figure 2

```
not affected by terrain losses      43342      5729.0
lost to NTSC IX                     0           0.0
lost to additional IX by ATV        26          31.3
lost to ATV IX only                 26          31.3
lost to all IX                      26          31.3

Potential Interfering Stations Included in above Scenario      2

30A IA KEOKUK                BNPDTL      20101013AAV  APP

Result key:                    5
Scenario                        3  Affected station      29
Before Analysis

Results for: 30A MO KIRKSVILLE      USERRECORD01      APP
HAAT 125.0 m, ATV ERP      8.2 kW

              POPULATION      AREA (sq km)
within Noise Limited Contour      43342      5729.0
not affected by terrain losses      43342      5729.0
lost to NTSC IX                    0           0.0
lost to additional IX by ATV        0           0.0
lost to ATV IX only                 0           0.0
lost to all IX                      0           0.0

Potential Interfering Stations Included in above Scenario      3

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
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