

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

tvstudy v2.2.4 (Z2Qqz3)
Database: localhost, Study: kstp_pl, Model: Longley-Rice

Study build station data: LMS TV 2017-12-06 (101)

Proposal: KSTP_P1 D35 DT APP ST. PAUL, MN
File number: kstp_pl
Facility ID: 28010
Station data: User record
Record ID: 1954
Country: U.S.
Zone: II

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KTCA-TV	D34	DT	LIC	ST. PAUL, MN	BLEDT20060802AAO	1.3 km
No	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	447.4
Yes	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	322.1
No	WLUC-TV	D35	DT	LIC	MARQUETTE, MI	BLCDT20040202ALY	434.3
Yes	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	165.1
No	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	243.9
No	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	243.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35
Latitude: 45 3 45.00 N (NAD83)
Longitude: 93 8 22.00 W
Height AMSL: 733.4 m
HAAT: 457.0 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.75

40.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	459.8 m	112.0 km
45.0	1000	453.9	111.5
90.0	1000	444.5	110.7
135.0	1000	453.3	111.5
180.0	1000	459.4	112.0
225.0	1000	464.8	112.4
270.0	1000	463.3	112.3
315.0	1000	456.5	111.7

ERP exceeds maximum
ERP: 1000 kW ERP maximum: 641 kW (Proposal compliant with 'largest station in the market' Rule.)

Distance to Canadian border: 352.5 km

Distance to Mexican border: 1847.0 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 224.9 degrees Distance: 629.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 245.3 degrees Distance: 1127.6 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

Interference to BLEDT20060802AAO LIC scenario 1

Desired:	Call KTCA-TV	Chan D34	Svc DT	Status LIC	City, State ST. PAUL, MN	File Number BLEDT20060802AAO	Distance	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	1.2 km	
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	1.3	
	K33LN-D	D33	DC	LIC	MINNEAPOLIS, MN	BLDTA20111219AEB	14.8	
	WLAX	D33	DT	CP	LA CROSSE, WI	BLANK0000027619	196.9	
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	363.3	
Service area		Terrain-limited			IX-free, before		IX-free, after	Percent New IX
31301.1	3,693,877	30922.2	3,684,081	30594.9	3,674,127	30279.5	3,660,442	1.03 0.37
Undesired				Total IX	Unique IX, before	Unique IX, after		
KSTP-TV	D35	DT	BL	307.3	9,397	303.3		
KSTP_P1	D35	DT	APP	622.7	23,082		618.8	22,677
K33LN-D	D33	DC	LIC	11.9	447	8.0	8.0	42
WOI-DT	D34	DT	APP	12.0	515	12.0	12.0	515

Interference to BLEDT20050218ABQ LIC scenario 1

Desired:	Call KRIN	Chan D35	Svc DT	Status LIC	City, State WATERLOO, IA	File Number BLEDT20050218ABQ	Distance		
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km		
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1		
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5		
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4		
	WGBO-DT	D35	DT	CP	JOLIET, IL	BLANK0000025108	352.3		
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4		
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0		
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
36428.2	949,313	36012.2	923,735	35511.6	913,822	35491.7	913,750	0.06	0.01
Undesired				Total IX	Unique IX, before	Unique IX, after			
KSTP-TV	D35	DT	BL	51.7	817	43.8	742		
KSTP_P1	D35	DT	APP	83.5	926		63.6	814	
WOI-DT	D34	DT	APP	260.8	5,178	220.7	4,740	220.7	4,740
KHIN	D35	DT	LIC	20.2	334	12.1	40	12.1	40
WGBO-DT	D35	DT	CP	64.1	1,511	24.1	392	24.1	392
WTVP	D35	DT	CP	84.3	3,190	44.3	2,071	44.3	2,071
KFPX-TV	D36	DT	CP	40.0	272	8.0	128	8.0	128
KAAL	D36	DT	LIC	67.6	243	59.6	168	47.7	131

Interference to BLEDT20050218ABQ LIC scenario 2

Desired:	Call KRIN	Chan D35	Svc DT	Status LIC	City, State WATERLOO, IA	File Number BLEDT20050218ABQ	Distance		
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km		
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1		
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5		
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4		
	WGBO-DT	D35	DT	CP	JOLIET, IL	BLANK0000025108	352.3		
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4		
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4		
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1		
	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX	
36428.2	949,313	36012.2	923,735	35519.6	913,950	35499.7	913,878	0.06	0.01
Undesired				Total IX	Unique IX, before	Unique IX, after			
KSTP-TV D35 DT BL				51.7	817	43.8	742		
KSTP_P1 D35 DT APP				83.5	926	63.6		814	
WOI-DT D34 DT APP				260.8	5,178	236.7	4,760	236.7	4,760
KHIN D35 DT LIC				20.2	334	12.1	40	12.1	40
WGBO-DT D35 DT CP				64.1	1,511	24.1	392	24.1	392
WTVP D35 DT CP				84.3	3,190	44.3	2,071	44.3	2,071
KFPX-TV D36 DT BL				16.0	124	0.0	0	0.0	0
KAAL D36 DT LIC				67.6	243	59.6	168	47.7	131

Interference to BLEDT20050218ABQ LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km

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KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
WGBO-DT	D35	DT	CP	JOLIET, IL	BLANK0000025108	352.3
WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0
KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35511.6 913,822	35491.7 913,750	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	220.7 4,740	220.7 4,740
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT CP	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT BL	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT CP	40.0 272	8.0 128	8.0 128
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	CP	JOLIET, IL	BLANK0000025108	352.3
	WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35519.6 913,950	35499.7 913,878	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	236.7 4,760	236.7 4,760
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT CP	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT BL	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT BL	16.0 124	0.0 0	0.0 0
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	APP	JOLIET, IL	BLANK0000034007	352.3
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35507.5 913,822	35487.7 913,750	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	220.7 4,740	220.7 4,740
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT APP	76.1 1,554	28.1 392	28.1 392
WTVP D35 DT CP	84.3 3,190	36.3 2,028	36.3 2,028
KFPX-TV D36 DT CP	40.0 272	8.0 128	8.0 128
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km

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KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
WGBO-DT	D35	DT	APP	JOLIET, IL	BLANK0000034007	352.3
WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4
KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4
KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35515.5 913,950	35495.7 913,878	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	236.7 4,760	236.7 4,760
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT APP	76.1 1,554	28.1 392	28.1 392
WTVP D35 DT CP	84.3 3,190	36.3 2,028	36.3 2,028
KFPX-TV D36 DT BL	16.0 124	0.0 0	0.0 0
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	BL	JOLIET, IL	DTVBL12498	352.3
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35511.6 913,822	35491.7 913,750	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	220.7 4,740	220.7 4,740
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT BL	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT CP	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT CP	40.0 272	8.0 128	8.0 128
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	BL	JOLIET, IL	DTVBL12498	352.3
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	267.4
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35519.6 913,950	35499.7 913,878	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	236.7 4,760	236.7 4,760
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT BL	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT CP	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT BL	16.0 124	0.0 0	0.0 0
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 9

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km

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KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
WGBO-DT	D35	DT	APP	JOLIET, IL	BLANK0000034007	352.3
WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0
KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35507.5 913,822	35487.7 913,750	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	220.7 4,740	220.7 4,740
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT APP	76.1 1,554	28.1 392	28.1 392
WTVP D35 DT BL	84.3 3,190	36.3 2,028	36.3 2,028
KFPX-TV D36 DT CP	40.0 272	8.0 128	8.0 128
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 10

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	APP	JOLIET, IL	BLANK0000034007	352.3
	WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35515.5 913,950	35495.7 913,878	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	236.7 4,760	236.7 4,760
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT APP	76.1 1,554	28.1 392	28.1 392
WTVP D35 DT BL	84.3 3,190	36.3 2,028	36.3 2,028
KFPX-TV D36 DT BL	16.0 124	0.0 0	0.0 0
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 11

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
	WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
	KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
	WGBO-DT	D35	DT	BL	JOLIET, IL	DTVBL12498	352.3
	WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	156.0
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35511.6 913,822	35491.7 913,750	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	220.7 4,740	220.7 4,740
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT BL	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT BL	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT CP	40.0 272	8.0 128	8.0 128
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLEDT20050218ABQ LIC scenario 12

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	322.1 km

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	322.1
WOI-DT	D34	DT	APP	AMES, IA	BLANK0000035863	155.5
KHIN	D35	DT	LIC	RED OAK, IA	BLANK0000030114	301.4
WGBO-DT	D35	DT	BL	JOLIET, IL	DTVBL12498	352.3
WTVP	D35	DT	BL	PEORIA, IL	DTVBL28311	267.4
KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	124.4
KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	157.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36428.2 949,313	36012.2 923,735	35519.6 913,950	35499.7 913,878	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	51.7 817	43.8 742	
KSTP_P1 D35 DT APP	83.5 926		63.6 814
WOI-DT D34 DT APP	260.8 5,178	236.7 4,760	236.7 4,760
KHIN D35 DT LIC	20.2 334	12.1 40	12.1 40
WGBO-DT D35 DT BL	64.1 1,511	24.1 392	24.1 392
WTVP D35 DT BL	84.3 3,190	44.3 2,071	44.3 2,071
KFPX-TV D36 DT BL	16.0 124	0.0 0	0.0 0
KAAL D36 DT LIC	67.6 243	59.6 168	47.7 131

Interference to BLCDDT20091110AAF LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28187.3 565,370	28139.5 564,519	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	75.7 773	71.7 748	
KSTP_P1 D35 DT APP	123.5 1,624		119.5 1,599
KRIN D35 DT LIC	68.0 1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT CP	19.9 59	15.9 51	15.9 51
WQRF-TV D36 DT CP	27.9 70	23.9 62	23.9 62
WLEF-TV D36 DT APP	16.0 90	12.0 65	12.0 65

Interference to BLCDDT20091110AAF LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28195.3 565,435	28147.5 564,584	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	75.7 773	71.7 748	
KSTP_P1 D35 DT APP	123.5 1,624		119.5 1,599
KRIN D35 DT LIC	68.0 1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT CP	19.9 59	15.9 51	15.9 51
WQRF-TV D36 DT CP	27.9 70	23.9 62	23.9 62
WLEF-TV D36 DT LIC	8.0 25	4.0 0	4.0 0

Interference to BLCDDT20091110AAF LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28191.3 565,374	28143.5 564,523	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT CP 19.9	59	15.9 51	15.9 51
WQRF-TV D36 DT BL 23.9	66	19.9 58	19.9 58
WLEF-TV D36 DT APP 16.0	90	12.0 65	12.0 65

Interference to BLCDDT20091110AAF LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28199.2 565,439	28151.5 564,588	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT CP 19.9	59	15.9 51	15.9 51
WQRF-TV D36 DT BL 23.9	66	19.9 58	19.9 58
WLEF-TV D36 DT LIC 8.0	25	4.0 0	4.0 0

Interference to BLCDDT20091110AAF LIC scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28199.3 565,421	28151.5 564,570	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT BL 7.9	8	4.0 0	4.0 0
WQRF-TV D36 DT CP 27.9	70	23.9 62	23.9 62
WLEF-TV D36 DT APP 16.0	90	12.0 65	12.0 65

Interference to BLCDDT20091110AAF LIC scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28207.2 565,486	28159.4 564,635	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT BL 7.9	8	4.0 0	4.0 0
WQRF-TV D36 DT CP 27.9	70	23.9 62	23.9 62
WLEF-TV D36 DT LIC 8.0	25	4.0 0	4.0 0

Interference to BLCDDT20091110AAF LIC scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28203.3 565,425	28155.5 564,574	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT BL 7.9	8	4.0 0	4.0 0
WQRF-TV D36 DT BL 23.9	66	19.9 58	19.9 58
WLEF-TV D36 DT APP 16.0	90	12.0 65	12.0 65

Interference to BLCDDT20091110AAF LIC scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	LIC	SIOUX FALLS, SD	BLCDDT20100201AFD	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28211.2 565,490	28163.4 564,639	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	68.0 1,840
KFPX-TV D36 DT BL 7.9	8	4.0 0	4.0 0
WQRF-TV D36 DT BL 23.9	66	19.9 58	19.9 58
WLEF-TV D36 DT LIC 8.0	25	4.0 0	4.0 0

Interference to BLCDDT20091110AAF LIC scenario 9

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	165.1
KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28183.3 565,326	28135.5 564,475	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	
KFPX-TV D36 DT CP 19.9	59	15.9 51	
WQRF-TV D36 DT CP 27.9	70	23.9 62	
KWSD D36 DT APP 4.0	44	4.0 44	
WLEF-TV D36 DT APP 16.0	90	12.0 65	

Interference to BLCDDT20091110AAF LIC scenario 10

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28191.3 565,391	28143.5 564,540	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	
KFPX-TV D36 DT CP 19.9	59	15.9 51	
WQRF-TV D36 DT CP 27.9	70	23.9 62	
KWSD D36 DT APP 4.0	44	4.0 44	
WLEF-TV D36 DT LIC 8.0	25	4.0 0	

Interference to BLCDDT20091110AAF LIC scenario 11

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_p1	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29029.8 589,502	28386.7 568,169	28187.3 565,330	28139.5 564,479	0.17 0.15

Undesired	Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL 75.7	773	71.7	748
KSTP_P1 D35 DT APP 123.5	1,624		119.5 1,599
KRIN D35 DT LIC 68.0	1,840	68.0 1,840	
KFPX-TV D36 DT CP 19.9	59	15.9 51	
WQRF-TV D36 DT BL 23.9	66	19.9 58	
KWSD D36 DT APP 4.0	44	4.0 44	
WLEF-TV D36 DT APP 16.0	90	12.0 65	

Interference to BLCDDT20091110AAF LIC scenario 12

Call	Chan	Svc	Status	City, State	File Number	Distance
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INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

Desired:	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	CP	NEWTON, IA	BLANK0000034350	222.5
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
29029.8	589,502	28386.7	568,169	28195.3	565,395	28147.5	564,544	0.17	0.15

Undesired				Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	75.7			773	71.7	748
KSTP_P1 D35 DT APP	123.5			1,624		1,599
KRIN D35 DT LIC	68.0			1,840	68.0	1,840
KFPX-TV D36 DT CP	19.9			59	15.9	51
WQRF-TV D36 DT BL	23.9			66	19.9	58
KWSD D36 DT APP	4.0			44	4.0	44
WLEF-TV D36 DT LIC	8.0			25	4.0	0

Interference to BLCDDT20091110AAF LIC scenario 13

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
29029.8	589,502	28386.7	568,169	28195.3	565,377	28147.5	564,526	0.17	0.15

Undesired				Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	75.7			773	71.7	748
KSTP_P1 D35 DT APP	123.5			1,624		1,599
KRIN D35 DT LIC	68.0			1,840	68.0	1,840
KFPX-TV D36 DT BL	7.9			8	4.0	0
WQRF-TV D36 DT CP	27.9			70	23.9	62
KWSD D36 DT APP	4.0			44	4.0	44
WLEF-TV D36 DT APP	16.0			90	12.0	65

Interference to BLCDDT20091110AAF LIC scenario 14

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	CP	ROCKFORD, IL	BLANK0000027710	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
29029.8	589,502	28386.7	568,169	28203.2	565,442	28155.4	564,591	0.17	0.15

Undesired				Total IX	Unique IX, before	Unique IX, after
KSTP-TV D35 DT BL	75.7			773	71.7	748
KSTP_P1 D35 DT APP	123.5			1,624		1,599
KRIN D35 DT LIC	68.0			1,840	68.0	1,840
KFPX-TV D36 DT BL	7.9			8	4.0	0
WQRF-TV D36 DT CP	27.9			70	23.9	62
KWSD D36 DT APP	4.0			44	4.0	44
WLEF-TV D36 DT LIC	8.0			25	4.0	0

INTERFERENCE ANALYSIS FOR PROPOSED KSTP-TV ST. PAUL, MN (CHANNEL 35)

Interference to BLCDDT20091110AAF LIC scenario 15

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	APP	PARK FALLS, WI	BLANK0000035675	311.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29029.8	589,502	28386.7	568,169	28199.3	565,381	28151.5 564,530	0.17 0.15
Undesired			Total IX	Unique IX, before		Unique IX, after	
KSTP-TV D35 DT BL	75.7		773	71.7		748	
KSTP_P1 D35 DT APP	123.5		1,624			119.5 1,599	
KRIN D35 DT LIC	68.0		1,840	68.0 1,840		68.0 1,840	
KFPX-TV D36 DT BL	7.9		8	4.0 0		4.0 0	
WQRF-TV D36 DT BL	23.9		66	19.9 58		19.9 58	
KWSD D36 DT APP	4.0		44	4.0 44		4.0 44	
WLEF-TV D36 DT APP	16.0		90	12.0 65		12.0 65	

Interference to BLCDDT20091110AAF LIC scenario 16

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAAL	D36	DT	LIC	AUSTIN, MN	BLCDDT20091110AAF	
Undesireds:	KSTP-TV	D35	DT	BL	ST. PAUL, MN	DTVBL28010	165.1 km
	KSTP_P1	D35	DT	APP	ST. PAUL, MN	kstp_pl	165.1
	KRIN	D35	DT	LIC	WATERLOO, IA	BLEDT20050218ABQ	157.1
	KFPX-TV	D36	DT	BL	NEWTON, IA	DTVBL81509	210.3
	WMEC	D36	DT	CP	MACOMB, IL	BLANK0000026298	389.9
	WQRF-TV	D36	DT	BL	ROCKFORD, IL	DTVBL52408	311.7
	KWSD	D36	DT	APP	SIOUX FALLS, SD	BLANK0000035767	326.1
	WACY-TV	D36	DT	CP	APPLETON, WI	BLANK0000026771	372.1
	WMKE-CD	D36	DC	APP	MILWAUKEE, WI	BLANK0000034620	378.4
	WLEF-TV	D36	DT	LIC	PARK FALLS, WI	BLEDT20110323ABO	311.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29029.8	589,502	28386.7	568,169	28207.2	565,446	28159.4 564,595	0.17 0.15
Undesired			Total IX	Unique IX, before		Unique IX, after	
KSTP-TV D35 DT BL	75.7		773	71.7		748	
KSTP_P1 D35 DT APP	123.5		1,624			119.5 1,599	
KRIN D35 DT LIC	68.0		1,840	68.0 1,840		68.0 1,840	
KFPX-TV D36 DT BL	7.9		8	4.0 0		4.0 0	
WQRF-TV D36 DT BL	23.9		66	19.9 58		19.9 58	
KWSD D36 DT APP	4.0		44	4.0 44		4.0 44	
WLEF-TV D36 DT LIC	8.0		25	4.0 0		4.0 0	
