

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: W42EM@1226223_ch34_15kW_ND, Model: Longley-Rice

Start: 2018.04.06 23:14:12

Study created: 2018.04.06 23:14:12

Study build station data: LMS TV 2018-03-19

Proposal: W42EM-D D34 LD CP St. Louis, MO

File number: BLANK0000004985

Facility ID: 188748

Station data: User record

Record ID: 316

Country: U.S.

Build options:

Protect baseline records from LPTV

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	223.6 km
No	W33DV-D	D33	LD	CP	PEORIA, IL	BDCCDTT20120713ADV	215.5
No	W33AY-D	D33	LD	LIC	SPRINGFIELD, IL	BLDTL20101122ABA	132.5
No	K33MN-D	D33	LD	CP	JEFFERSON CITY, MO	BLANK0000001282	182.0
Yes	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK0000001766	16.1
No	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	22.1
No	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	292.8
No	W34EH-D	D34	LD	LIC	CHAMPAIGN, IL	BLANK0000014112	145.1
No	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	218.3
Yes	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	218.3
No	WCPX-TV	D34	DT	CP	CHICAGO, IL	BLANK0000026971	416.6
No	WCPX-TV	D34	DT	APP	CHICAGO, IL	BLANK0000034347	416.6
Yes	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	166.0
No	W34EM-D	D34	LD	CP	LEE, IL	BNPDTL20100524AFR	378.0
Yes	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	172.8
Yes	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	172.8
No	WEAE-LD	D34	LD	CP	SPRINGFIELD, IL	BLANK0000013472	132.5
No	W34ET-D	D34	LD	CP	BRAZIL, IN	BNPDTL20100510AFJ	249.3
No	WIPX-LD	D34	LD	LIC	INDIANAPOLIS, IN	BLANK0000004295	369.1
No	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	381.5
No	K41KX-D	D34	LD	APP	JOPLIN, MO	BLANK0000030221	420.6
No	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	382.8
Yes	K34KX-D	D34	LD	LIC	ROLLA, MO	BLDTL20130222ADC	160.7
No	WJNK-LD	D34z	LD	LIC	NASHVILLE, TN	BLANK0000025145	402.6
No	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	223.1
No	WTWO	D35	DT	CP	TERRE HAUTE, IN	BLANK0000028193	250.7
No	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	17.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34

Mask: Full Service

Latitude: 38 40 53.20 N (NAD83)

Longitude: 90 12 1.90 W

Height AMSL: 273.2 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Patrn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	128.8 m	45.6 km
45.0	15.0	145.1	46.8
90.0	15.0	147.6	46.9
135.0	15.0	145.0	46.8
180.0	15.0	141.3	46.5
225.0	15.0	122.9	45.2
270.0	15.0	103.6	43.5
315.0	15.0	114.4	44.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 131 m

Distance to Canadian border: 700.3 km

Distance to Mexican border: 1426.3 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 38.0 degrees Distance: 564.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 281.8 degrees Distance: 1298.7 km

Study cell size: 0.50 km

Profile point spacing: 0.10 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK000001766 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK000001766	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK000004985	16.1 km
	KUMO-LD	D32	LD	APP	ST LOUIS, MO	BLANK0000030456	0.0
	WUCU-LD	D33	LD	LIC	EVANSVILLE, IN	BLANK0000010568	224.1
	KTV0	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	283.0
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	6.0

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	6993.3	2,356,064	6730.9	2,342,030	1878.9	502,635	1878.6 502,635 0.01 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
W42EM-D D34 LD CP	9.0	557			0.2	0	
KUMO-LD D32 LD APP	0.8	0	0.0	0	0.0	0	
KTVI D33 DT CP	4852.0	1,839,395	4851.3	1,839,395	4842.6	1,838,838	

Interference to BLANK0000034728 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK000004985	218.3 km
	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	109.7
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	210.7
	WCPX-TV	D34	DT	CP	CHICAGO, IL	BLANK0000026971	208.6
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	279.4
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	243.7
	WISE-TV	D34	DT	CP	FORT WAYNE, IN	BLANK0000027665	296.9
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	296.9
	WKEF	D34	DT	CP	DAYTON, OH	BLANK0000034522	360.1
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	111.2
	WTWO	D35	DT	CP	TERRE HAUTE, IN	BLANK0000028193	131.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27716.3 860,429	27669.3 859,385	26546.0 844,601	26546.0 844,601	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
W42EM-D D34 LD CP	0.5 0	0.0 0		
WAOE D33 DT CP	27.5 1,748	0.7 0	0.7 0	
KQIN D34 DT LIC	2.4 141	0.2 0	0.2 0	
WCPX-TV D34 DT CP	429.4 4,339	419.9 4,197	419.9 4,197	
WSIL-TV D34 DT LIC	87.6 546	37.4 317	37.4 317	
WQEC D34 DT APP	147.0 1,622	107.9 1,021	107.9 1,021	
WISE-TV D34 DT CP	11.5 168	4.7 111	4.7 111	
WKMJ-TV D34 DT CP	2.5 91	0.0 0	0.0 0	
WKEF D34 DT CP	7.6 123	0.0 0	0.0 0	
WTVP D35 DT CP	240.9 6,969	185.5 5,089	185.5 5,089	
WTWO D35 DT CP	298.8 2,058	253.8 1,834	253.8 1,834	

Interference to BLANK0000034728 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	218.3 km
	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	109.7
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	210.7
	WCPX-TV	D34	DT	CP	CHICAGO, IL	BLANK0000026971	208.6
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	279.4
	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	243.7
	WISE-TV	D34	DT	CP	FORT WAYNE, IN	BLANK0000027665	296.9
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	296.9
	WKEF	D34	DT	CP	DAYTON, OH	BLANK0000034522	360.1
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	111.2
	WTWO	D35	DT	CP	TERRE HAUTE, IN	BLANK0000028193	131.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27716.3 860,429	27669.3 859,385	26650.7 845,614	26650.7 845,614	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
W42EM-D D34 LD CP	0.5 0	0.0 0		
WAOE D33 DT CP	27.5 1,748	1.0 0	1.0 0	
KQIN D34 DT LIC	2.4 141	0.2 0	0.2 0	
WCPX-TV D34 DT CP	429.4 4,339	420.1 4,200	420.1 4,200	
WSIL-TV D34 DT LIC	87.6 546	37.9 317	37.9 317	
WQEC D34 DT LIC	11.3 160	3.2 8	3.2 8	
WISE-TV D34 DT CP	11.5 168	4.7 111	4.7 111	
WKMJ-TV D34 DT CP	2.5 91	0.0 0	0.0 0	
WKEF D34 DT CP	7.6 123	0.0 0	0.0 0	
WTVP D35 DT CP	240.9 6,969	211.6 5,252	211.6 5,252	
WTWO D35 DT CP	298.8 2,058	253.8 1,834	253.8 1,834	

Interference to BLANK0000034728 APP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	218.3 km
	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	109.7
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	210.7
	WCPX-TV	D34	DT	APP	CHICAGO, IL	BLANK0000034347	208.6
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	279.4
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	243.7
	WISE-TV	D34	DT	CP	FORT WAYNE, IN	BLANK0000027665	296.9
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	296.9
	WKEF	D34	DT	CP	DAYTON, OH	BLANK0000034522	360.1
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	111.2
	WTWO	D35	DT	CP	TERRE HAUTE, IN	BLANK0000028193	131.9

27716.3	860,429	27669.3	859,385	25484.6	827,765	25484.6	827,765	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
W42EM-D D34 LD CP	0.5		0			0.0	0		
WAOE D33 DT CP	27.5		1,748	0.5	0	0.5	0		
KQIN D34 DT LIC	2.4		141	0.2	0	0.2	0		
WCPX-TV D34 DT APP	1514.8		21,589	1481.3	21,033	1481.3	21,033		
WSIL-TV D34 DT LIC	87.6		546	35.4	309	35.4	309		
WQEC D34 DT APP	147.0		1,622	102.8	982	102.8	982		
WISE-TV D34 DT CP	11.5		168	1.0	0	1.0	0		
WKMJ-TV D34 DT CP	2.5		91	0.0	0	0.0	0		
WKEF D34 DT CP	7.6		123	0.0	0	0.0	0		
WTVP D35 DT CP	240.9		6,969	182.6	5,011	182.6	5,011		
WTWO D35 DT CP	298.8		2,058	253.1	1,823	253.1	1,823		

Interference to BLANK0000034728 APP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	218.3 km
	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	109.7
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	210.7
	WCPX-TV	D34	DT	APP	CHICAGO, IL	BLANK0000034347	208.6
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDDT20080718AAR	279.4
	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	243.7
	WISE-TV	D34	DT	CP	FORT WAYNE, IN	BLANK0000027665	296.9
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	296.9
	WKEF	D34	DT	CP	DAYTON, OH	BLANK0000034522	360.1
	WTVP	D35	DT	CP	PEORIA, IL	BLANK0000028050	111.2
	WTWO	D35	DT	CP	TERRE HAUTE, IN	BLANK0000028193	131.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
27716.3	860,429	27669.3	859,385	25584.9	828,747	25584.9	828,747	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
W42EM-D D34 LD CP	0.5		0			0.0	0		
WAOE D33 DT CP	27.5		1,748	0.5	0	0.5	0		
KQIN D34 DT LIC	2.4		141	0.2	0	0.2	0		
WCPX-TV D34 DT APP	1514.8		21,589	1485.9	21,067	1485.9	21,067		
WSIL-TV D34 DT LIC	87.6		546	35.4	309	35.4	309		
WQEC D34 DT LIC	11.3		160	2.4	0	2.4	0		
WISE-TV D34 DT CP	11.5		168	1.0	0	1.0	0		
WKMJ-TV D34 DT CP	2.5		91	0.0	0	0.0	0		
WKEF D34 DT CP	7.6		123	0.0	0	0.0	0		
WTVP D35 DT CP	240.9		6,969	208.7	5,174	208.7	5,174		
WTWO D35 DT CP	298.8		2,058	253.1	1,823	253.1	1,823		

Interference to BLCDDT20080718AAR LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDDT20080718AAR	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	166.0 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	166.5
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	279.4
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	337.0
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	279.2
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDDT19991202ABM	166.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
29159.9	672,663	28789.5	669,462	28677.6	668,832	28519.5	666,645	0.55	0.33
Undesired		Total IX		Unique IX, before		Unique IX, after			
W42EM-D D34 LD CP	189.3	2,412				158.1	2,187		
KTVI D33 DT CP	9.1	104		1.0	0	0.5	0		
WCIA D34 DT CP	88.7	434		73.1	364	64.5	334		
WQEC D34 DT APP	3.5	6		1.5	0	0.0	0		

WKMJ-TV D34 DT CP	18.5	102	5.6	45	4.1	21
KSDK D35 DT LIC	16.4	158	8.1	54	0.8	0

Interference to BLCDT20080718AAR LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	166.0 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	166.5
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	279.4
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	337.0
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	279.2
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	166.0
Service area		Terrain-limited		IX-free, before		IX-free, after	
29159.9		672,663		28789.5		669,462	
				28568.8		667,858	
						28438.6	
						666,039	
						Percent New IX	
						0.46	
						0.27	

Undesired	Total IX	Unique IX, before	Unique IX, after
W42EM-D D34 LD CP	189.3	2,412	130.2
KTVI D33 DT CP	9.1	104	0.3
WCIA D34 DT APP	206.2	1,518	145.5
WQEC D34 DT APP	3.5	6	0.0
WKMJ-TV D34 DT CP	18.5	102	2.4
KSDK D35 DT LIC	16.4	158	0.5

Interference to BLCDT20080718AAR LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	166.0 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	166.5
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	279.4
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	279.2
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	166.0
Service area		Terrain-limited		IX-free, before		IX-free, after	
29159.9		672,663		28789.5		669,462	
				28679.1		668,832	
						28519.5	
						666,645	
						Percent New IX	
						0.56	
						0.33	

Undesired	Total IX	Unique IX, before	Unique IX, after
W42EM-D D34 LD CP	189.3	2,412	159.5
KTVI D33 DT CP	9.1	104	0.5
WCIA D34 DT CP	88.7	434	64.5
WKMJ-TV D34 DT CP	18.5	102	4.1
KSDK D35 DT LIC	16.4	158	0.8

Interference to BLCDT20080718AAR LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	166.0 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	166.5
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	279.4
	WKMJ-TV	D34	DT	CP	LOUISVILLE, KY	BLANK0000034636	279.2
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	166.0
Service area		Terrain-limited		IX-free, before		IX-free, after	
29159.9		672,663		28789.5		669,462	
				28569.5		667,858	
						28438.6	
						666,039	
						Percent New IX	
						0.46	
						0.27	

Undesired	Total IX	Unique IX, before	Unique IX, after
W42EM-D D34 LD CP	189.3	2,412	130.9
KTVI D33 DT CP	9.1	104	0.3
WCIA D34 DT APP	206.2	1,518	145.5
WKMJ-TV D34 DT CP	18.5	102	2.4
KSDK D35 DT LIC	16.4	158	0.5

Interference to BLANK0000035763 APP scenario 1

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance			
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km			
	KTVQ	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	114.0			
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7			
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7			
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0			
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
17500.8	231,972	17309.4	229,635		17158.8	227,332	17157.1	227,240	0.01	0.04
Undesired				Total IX		Unique IX, before		Unique IX, after		
W42EM-D	D34	LD	CP	25.8	119	1.7	92			
KQIN	D34	DT	LIC	21.7	311	17.5	304			
WCIA	D34	DT	CP	116.5	1,975	92.2	1,952			
WSIL-TV	D34	DT	LIC	26.6	31	3.2	4			
WDAF-TV	D34	DT	LIC	8.9	15	7.4	12			

Interference to BLANK0000035763 APP scenario 2

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance		
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km		
	KTVQ	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	114.0		
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7		
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7		
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0		
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
17500.8	231,972	17309.4	229,635		17056.8	225,649	17055.8	225,557	0.01 0.04
Undesired				Total IX		Unique IX, before		Unique IX, after	
W42EM-D	D34	LD	CP	25.8	119	1.0	92		
KQIN	D34	DT	LIC	21.7	311	14.6	296		
WCIA	D34	DT	APP	223.2	3,670	193.4	3,635		
WSIL-TV	D34	DT	LIC	26.6	31	2.7	0		
WDAF-TV	D34	DT	LIC	8.9	15	6.9	12		

Interference to BLANK0000035763 APP scenario 3

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance		
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km		
	KTVQ	D33	DT	APP	KIRKSVILLE, MO	BLANK0000035797	114.0		
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7		
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7		
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0		
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
17500.8	231,972	17309.4	229,635	17139.8	227,327	17138.3	227,235	0.01	0.04
Undesired				Total IX		Unique IX, before		Unique IX, after	
W42EM-D	D34	LD	CP	25.8	119	1.5	92		
KTVQ	D33	DT	APP	19.1	5	19.1	5	18.8	5
KQIN	D34	DT	LIC	21.7	311	17.8	304	17.5	304
WCIA	D34	DT	CP	116.5	1,975	94.9	1,952	92.2	1,952
WSIL-TV	D34	DT	LIC	26.6	31	7.7	9	3.2	4
WDAF-TV	D34	DT	LIC	8.9	15	7.6	12	7.4	12

Interference to BLANK0000035763 APP scenario 4

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance		
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km		
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7		
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7		
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0		
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
17500.8	231,972	17309.4	229,635	17158.8	227,332	17157.1	227,240	0.01	0.04
Undesired				Total IX		Unique IX, before		Unique IX, after	
W42EM-D	D34	LD	CP	25.8	119	1.7	92		
KQIN	D34	DT	LIC	21.7	311	17.8	304		
WCIA	D34	DT	CP	116.5	1,975	94.9	1,952		
WSIL-TV	D34	DT	LIC	26.6	31	7.7	9		
WDAF-TV	D34	DT	LIC	8.9	15	7.6	12		

Interference to BLANK0000035763 APP scenario 5

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance		
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km		
	KTVQ	D33	DT	APP	KIRKSVILLE, MO	BLANK0000035797	114.0		
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7		
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7		
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0		
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
17500.8	231,972	17309.4	229,635	17038.0	225,644	17037.3	225,552	0.00	0.04
Undesired				Total IX	Unique IX, before		Unique IX, after		
W42EM-D	D34	LD	CP	25.8	119	0.7	92		
KTVQ	D33	DT	APP	19.1	5	18.6	5		
KQIN	D34	DT	LIC	21.7	311	14.6	296		
WCIA	D34	DT	APP	223.2	3,670	193.2	3,635		
WSIL-TV	D34	DT	LIC	26.6	31	2.7	0		
WDAF-TV	D34	DT	LIC	8.9	15	6.9	12		

Interference to BLANK0000035763 APP scenario 6

Desired:	Call WQEC	Chan D34	Svc DT	Status APP	City, State QUINCY, IL	File Number BLANK0000035763	Distance	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km	
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7	
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7	
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0	
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
17500.8	231,972	17309.4	229,635	17056.8	225,649	17055.8	225,557	0.01 0.04
Undesired				Total IX	Unique IX, before		Unique IX, after	
W42EM-D	D34	LD	CP	25.8	119	1.0	92	
KQIN	D34	DT	LIC	21.7	311	14.6	296	
WCIA	D34	DT	APP	223.2	3,670	193.4	3,635	
WSIL-TV	D34	DT	LIC	26.6	31	2.7	0	
WDAF-TV	D34	DT	LIC	8.9	15	6.9	12	

Interference to BLEDT20040715ADL LIC scenario 1

Desired:	Call WQEC	Chan D34	Svc DT	Status LIC	City, State QUINCY, IL	File Number BLEDT20040715ADL	Distance
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KTV0	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	114.0
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4		184,188		13045.0		183,993	0.01
				12974.3		183,814	0.01
				12972.5		183,804	0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
W42EM-D D34 LD CP		11.6		25		1.7	10
KQIN D34 DT LIC		4.2		0		1.7	0
WCIA D34 DT CP		53.7		144		40.9	117
WSIL-TV D34 DT LIC		17.3		38		4.0	7
WDAF-TV D34 DT LIC		10.4		24		6.9	22

Interference to BLEDT20040715ADL LIC scenario 2

Desired:	Call WQEC	Chan D34	Svc DT	Status LIC	City, State QUINCY, IL	File Number BLEDT20040715ADL	Distance
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KTV0	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	114.0
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4		184,188		13045.0		183,334	0.01
				12929.5		183,324	0.01
				12928.0		183,324	0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
W42EM-D D34 LD CP		11.6		25		1.5	10
KQIN D34 DT LIC		4.2		0		1.7	0
WCIA D34 DT APP		99.5		624		85.4	597
WSIL-TV D34 DT LIC		17.3		38		3.5	7
WDAF-TV D34 DT LIC		10.4		24		6.9	22

Interference to BLEDT20040715ADL LIC scenario 3

Desired:	Call WQEC	Chan D34	Svc DT	Status LIC	City, State QUINCY, IL	File Number BLEDT20040715ADL	Distance
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KTV0	D33	DT	APP	KIRKSVILLE, MO	BLANK0000035797	114.0
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4		184,188		13045.0		183,810	0.01
				12962.5		183,800	0.01
				12960.8		183,800	0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
W42EM-D D34 LD CP		11.6		25		1.7	10
KTV0 D33 DT APP		11.7		4		11.7	4
KQIN D34 DT LIC		4.2		0		1.7	0
WCIA D34 DT CP		53.7		144		40.9	117
WSIL-TV D34 DT LIC		17.3		38		4.0	7
WDAF-TV D34 DT LIC		10.4		24		6.9	22

Interference to BLEDT20040715ADL LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4	184,188	13045.0		183,993		12972.5	0.01
				12974.3	183,814	183,804	0.01
<hr/>							
Undesired				Total IX	Unique IX, before	Unique IX, after	
W42EM-D D34 LD CP				11.6	25	1.7	10
KQIN D34 DT LIC				4.2	0	1.7	0
WCIA D34 DT CP				53.7	144	40.9	117
WSIL-TV D34 DT LIC				17.3	38	4.0	7
WDAF-TV D34 DT LIC				10.4	24	6.9	22

Interference to BLEDT20040715ADL LIC scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KTVO	D33	DT	APP	KIRKSVILLE, MO	BLANK0000035797	114.0
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
<hr/>							
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4	184,188	13045.0		183,993		12916.7	0.01
				12918.2	183,330	183,320	0.01
<hr/>							
Undesired				Total IX	Unique IX, before	Unique IX, after	
W42EM-D D34 LD CP				11.6	25	1.5	10
KTVO D33 DT APP				11.7	4	11.2	4
KQIN D34 DT LIC				4.2	0	1.7	0
WCIA D34 DT APP				99.5	624	84.9	597
WSIL-TV D34 DT LIC				17.3	38	3.5	7
WDAF-TV D34 DT LIC				10.4	24	6.9	22

Interference to BLEDT20040715ADL LIC scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	172.8 km
	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	167.7
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	243.7
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	337.0
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	299.2
<hr/>							
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13199.4	184,188	13045.0		183,993		12928.0	0.01
				12929.5	183,334	183,324	0.01
<hr/>							
Undesired				Total IX	Unique IX, before	Unique IX, after	
W42EM-D D34 LD CP				11.6	25	1.5	10
KQIN D34 DT LIC				4.2	0	1.7	0
WCIA D34 DT APP				99.5	624	85.4	597
WSIL-TV D34 DT LIC				17.3	38	3.5	7
WDAF-TV D34 DT LIC				10.4	24	6.9	22

Interference to BLDL20130222ADC LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K34KX-D	D34	LD	LIC	ROLLA, MO	BLDTL20130222ADC	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	160.7 km
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	258.5
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	229.8
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	274.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2761.2 59,904		2691.3 59,301		2684.1 59,235		2683.9 59,233	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
W42EM-D	D34 LD CP	0.2	2			0.2 2	
WSIL-TV	D34 DT LIC	5.2	66	3.4	14	3.4 14	
WQEC	D34 DT APP	2.5	52	0.8	0	0.8 0	
WDAF-TV	D34 DT LIC	2.5	52	0.5	0	0.5 0	

Interference to BLDTL20130222ADC LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K34KX-D	D34	LD	LIC	ROLLA, MO	BLDTL20130222ADC	
Undesireds:	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	160.7 km
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	258.5
	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	274.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2761.2 59,904		2691.3 59,301		2684.9 59,235		2684.6 59,233	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
W42EM-D	D34 LD CP	0.2	2			0.2 2	
WSIL-TV	D34 DT LIC	5.2	66	4.0	14	4.0 14	
WDAF-TV	D34 DT LIC	2.5	52	1.2	0	1.2 0	

Interference to proposal scenario 1

**MX: 15.94% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	
Undesireds:	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK0000001766	16.1 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	22.1
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	218.3
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	166.0
	WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	172.8
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	17.0
Service area		Terrain-limited		IX-free		Percent IX	
6566.2 2,200,839		6512.8 2,192,587		4284.9 1,842,995		34.21 15.94	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KBGU-LP	D33 LD LIC	49.2	19,040	0.3	0	0.00 0.00	
KTVI	D33 DT CP	1243.9	216,154	28.0	6,950	0.43 0.32	
WCIA	D34 DT CP	9.3	253	1.0	0	0.02 0.00	
WSIL-TV	D34 DT LIC	449.7	37,806	41.5	1,202	0.64 0.05	
WQEC	D34 DT APP	30.8	1,628	2.5	673	0.04 0.03	
KSDK	D35 DT LIC	2138.2	340,367	831.9	120,745	12.77 5.51	

Interference to proposal scenario 2

**MX: 15.94% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK0000004985	
Undesireds:	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK0000001766	16.1 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	22.1
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	218.3

WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	166.0
WQEC	D34	DT	APP	QUINCY, IL	BLANK0000035763	172.8
KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	17.0

Service area	Terrain-limited	IX-free	Percent IX
6566.2 2,200,839	6512.8 2,192,587	4283.4 1,842,995	34.23 15.94

Undesired	Total IX	Unique IX	Prcnt Unique IX
KBGU-LP D33 LD LIC	49.2 19,040	0.3 0	0.00 0.00
KTVI D33 DT CP	1243.9 216,154	27.8 6,950	0.43 0.32
WCIA D34 DT APP	22.5 845	2.5 0	0.04 0.00
WSIL-TV D34 DT LIC	449.7 37,806	40.7 1,202	0.63 0.05
WQEC D34 DT APP	30.8 1,628	2.5 673	0.04 0.03
KSDK D35 DT LIC	2138.2 340,367	830.3 120,664	12.75 5.50

Interference to proposal scenario 3
15.91% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK000004985	
Undesireds:	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK0000001766	16.1 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	22.1
	WCIA	D34	DT	CP	CHAMPAIGN, IL	BLANK0000028445	218.3
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	166.0
	WQEC	D34	DT	LIC	QUINCY, IL	BL EDT20040715ADL	172.8
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	17.0

Service area	Terrain-limited	IX-free	Percent IX
6566.2 2,200,839	6512.8 2,192,587	4287.4 1,843,668	34.17 15.91

Undesired	Total IX	Unique IX	Prcnt Unique IX
KBGU-LP D33 LD LIC	49.2 19,040	0.3 0	0.00 0.00
KTVI D33 DT CP	1243.9 216,154	28.3 6,953	0.43 0.32
WCIA D34 DT CP	9.3 253	1.3 0	0.02 0.00
WSIL-TV D34 DT LIC	449.7 37,806	47.2 1,217	0.72 0.06
WQEC D34 DT LIC	2.0 35	0.0 0	0.00 0.00
KSDK D35 DT LIC	2138.2 340,367	833.4 120,935	12.80 5.52

Interference to proposal scenario 4
**MX: 15.91% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W42EM-D	D34	LD	CP	St. Louis, MO	BLANK000004985	
Undesireds:	KBGU-LP	D33	LD	LIC	ST. LOUIS, MO	BLANK0000001766	16.1 km
	KTVI	D33	DT	CP	ST. LOUIS, MO	BLANK0000034468	22.1
	WCIA	D34	DT	APP	CHAMPAIGN, IL	BLANK0000034728	218.3
	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	166.0
	WQEC	D34	DT	LIC	QUINCY, IL	BL EDT20040715ADL	172.8
	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	17.0

Service area	Terrain-limited	IX-free	Percent IX
6566.2 2,200,839	6512.8 2,192,587	4285.9 1,843,668	34.19 15.91

Undesired	Total IX	Unique IX	Prcnt Unique IX
KBGU-LP D33 LD LIC	49.2 19,040	0.3 0	0.00 0.00
KTVI D33 DT CP	1243.9 216,154	28.0 6,953	0.43 0.32
WCIA D34 DT APP	22.5 845	2.8 0	0.04 0.00
WSIL-TV D34 DT LIC	449.7 37,806	45.0 1,202	0.69 0.05
WQEC D34 DT LIC	2.0 35	0.0 0	0.00 0.00
KSDK D35 DT LIC	2138.2 340,367	831.9 120,854	12.77 5.51