

INTERFERENCE ANALYSIS FOR KPLR-TV, ST. LOUIS, MISSOURI, CHANNEL 26, CORRECTED FACILITY (2 KM CELL SIZE / 0.1 KM TERRAIN INCREMENT)

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: kplr_cor1, Model: Longley-Rice

Study build station data: LMS TV 2018-04-01

Proposal: KPLR_COR1 D26 DT APP ST. LOUIS, MO
File number: kplr_cor1
Facility ID: 35417
Station data: User record
Record ID: 2527
Country: U.S.
Zone: II

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WEEK-TV	D25	DT	LIC	PEORIA, IL	BLCDT20090413AER	237.9 km
No	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.7
No	WDKA	D25	DT	BL	PADUCAH, KY	DTVBL39561	178.7
Yes	K25NG-D	D25	DC	LIC	ST. LOUIS, MO	BLDTL20130805ABR	10.3
Yes	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	238.7
Yes	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	238.7
Yes	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	256.7
Yes	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	256.7
No	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	369.9
Yes	WBUY-TV	D26	DT	BL	HOLLY SPRINGS, MS	DTVBL60830	369.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Latitude: 38 34 27.90 N (NAD83)
Longitude: 90 19 31.90 W
Height AMSL: 437.2 m
HAAT: 280.0 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattnr: Generic
Elec Tilt: 0.75

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	268.7 m	95.0 km
45.0	1000	285.8	97.3
90.0	1000	304.9	99.6
135.0	1000	303.0	99.4
180.0	1000	275.9	96.0
225.0	1000	275.4	95.9
270.0	1000	263.4	94.1
315.0	1000	266.4	94.6

Distance to Canadian border: 715.8 km

Distance to Mexican border: 1410.3 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 38.1 degrees Distance: 580.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 282.3 degrees Distance: 1290.6 km

Study cell size: 2.00 km
Profile point spacing: 0.10 km (Higher resolution terrain profile point spacing requested.)

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

Interference to BLDLTL20130805ABR LIC scenario 1

Desired:	Call K25NG-D	Chan D25	Svc DC	Status LIC	City, State ST. LOUIS, MO	File Number BLDTL20130805ABR	Distance			
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	10.3 km			
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	10.3			
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	12.7			
	WEEK-TV	D25	DT	LIC	PEORIA, IL	BLCDT20090413AER	229.6			
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.1			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
6462.6	2,222,002	6366.7	2,206,455	3464.2	1,652,261	3500.5	1,662,202	-1.05	-0.60	
Undesired				Total IX	Unique IX, before		Unique IX, after			
KPLR-TV	D26	DT	BL	2818.1	543,186	449.5	137,543			
KPLR_COR1	D26	DT	APP	2769.8	531,537			413.3	127,602	
KMOV	D24	DT	LIC	2453.0	416,651	80.3	10,906	96.4	12,716	
WEEK-TV	D25	DT	LIC	3.9	71	0.0	0	0.0	0	
WDKA	D25	DT	CP	36.0	4,769	0.0	0	0.0	0	

Interference to BLDLTL20130805ABR LIC scenario 2

Desired:	Call K25NG-D	Chan D25	Svc DC	Status LIC	City, State ST. LOUIS, MO	File Number BLDTL20130805ABR	Distance			
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	10.3 km			
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	10.3			
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	12.7			
	WEEK-TV	D25	DT	LIC	PEORIA, IL	BLCDT20090413AER	229.6			
	WDKA	D25	DT	BL	PADUCAH, KY	DTVBL39561	178.1			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
6462.6	2,222,002	6366.7	2,206,455	3464.2	1,652,261	3500.5	1,662,202	-1.05	-0.60	
Undesired				Total IX	Unique IX, before		Unique IX, after			
KPLR-TV D26 DT BL		2818.1	543,186	449.5	137,543					
KPLR_COR1 D26 DT APP		2769.8	531,537			413.3	127,602			
KMOV D24 DT LIC		2453.0	416,651	80.3	10,906	96.4	12,716			
WEEK-TV D25 DT LIC		3.9	71	0.0	0	0.0	0			
WDKA D25 DT BL		20.0	4,658	0.0	0	0.0	0			

Interference to BLANK0000027808 CP scenario 1

Desired:	Call WMBD-TV	Chan D26	Svc DT	Status CP	City, State PEORIA, IL	File Number BLANK0000027808	Distance			
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	238.8 km			
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	238.7			
	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	212.0			
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	351.4			
	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	269.1			
Service area		Terrain-limited			IX-free, before		IX-free, after	Percent New IX		
19623.8	742,729	19611.7	742,711		19514.9	742,433	19514.9	742,433	0.00	0.00
Undesired				Total IX		Unique IX, before		Unique IX, after		
KPLR-TV	D26	DT	BL	68.4		174	68.4	174		
KPLR_COR1	D26	DT	APP	68.4		174	68.4	174		
WKOW	D26	DT	LIC	28.4		104	28.4	104		

Interference to DTVBL42121 BL scenario 1

INTERFERENCE ANALYSIS FOR KPLR-TV, ST. LOUIS, MISSOURI, CHANNEL 26, CORRECTED FACILITY (2 KM CELL SIZE / 0.1 KM TERRAIN INCREMENT)

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	238.8 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	238.7
	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	212.0
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	351.4
	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	269.1

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent	New IX
	19330.1	733,226	19318.0	733,208	19221.2	732,933	19221.2	732,933	0.00 0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL			68.5	171		68.5	171		
KPLR_COR1 D26 DT APP			68.5	171			68.5	171	
WPVN-CD D26 DC CP			4.1	4		0.0	0.0	0	
WKOW D26 DT LIC			28.4	104		24.3	24.3	100	

Interference to DTVBL42121 BL scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	238.8 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	238.7
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	212.0
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	351.4
	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	269.1

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent	New IX
	19330.1	733,226	19318.0	733,208	19221.2	732,933	19221.2	732,933	0.00 0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL			68.5	171		68.5	171		
KPLR_COR1 D26 DT APP			68.5	171			68.5	171	
WPVN-CD D26 DC BL			4.1	4		0.0	0.0	0	
WKOW D26 DT LIC			28.4	104		24.3	24.3	100	

Interference to BLANK0000034157 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	296.5

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent	New IX
	23251.6	743,079	23040.7	739,884	22800.9	739,027	22805.0	739,055	-0.02 -0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL			231.8	842		223.7	685		
KPLR_COR1 D26 DT APP			227.7	814			219.7	657	
WCPO-TV D26 DT CP			16.0	172		8.0	8.0	15	

Interference to BLANK0000034157 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5

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WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4
WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	296.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23251.6	743,079	23040.7	739,884	22800.9	739,027	22805.0	739,055	-0.02	-0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	231.8	842		223.7	685		
KPLR_COR1 D26 DT APP	227.7	814				219.7	657
WCPO-TV D26 DT BL	16.0	172		8.0	15	8.0	15

Interference to DTVBL13991 BL scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	296.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
22426.1	731,856	22231.0	728,806	21999.2	728,008	22023.2	728,117	-0.11	-0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	215.9	739		203.9	678		
KPLR_COR1 D26 DT APP	191.9	630				179.9	569
WMBD-TV D26 DT CP	3.9	19		3.9	19	3.9	19
WBUY-TV D26 DT CP	4.0	0		0.0	0	0.0	0
WCPO-TV D26 DT CP	20.0	101		12.0	40	12.0	40

Interference to DTVBL13991 BL scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	296.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
22426.1	731,856	22231.0	728,806	21999.2	728,008	22023.2	728,117	-0.11	-0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	215.9	739		207.9	678		
KPLR_COR1 D26 DT APP	191.9	630				183.8	569
WMBD-TV D26 DT CP	3.9	19		3.9	19	3.9	19
WCPO-TV D26 DT CP	20.0	101		12.0	40	12.0	40

Interference to DTVBL13991 BL scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	296.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
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22426.1	731,856	22231.0	728,806	21999.2	728,008	22023.2	728,117	-0.11	-0.01
Undesired		Total IX		Unique IX, before		Unique IX, after			
KPLR-TV D26 DT BL	215.9		739	203.9	678				
KPLR_COR1 D26 DT APP	191.9		630			179.9	569		
WMBD-TV D26 DT CP	3.9		19	3.9	19	3.9	19		
WBUY-TV D26 DT CP	4.0		0	0.0	0	0.0	0		
WCPO-TV D26 DT BL	20.0		101	12.0	40	12.0	40		

Interference to DTVBL13991 BL scenario 4

Desired:	Call WFIE	Chan D26	Svc DT	Status BL	City, State EVANSVILLE, IN	File Number DTVBL13991	Distance			
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km			
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7			
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5			
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	351.4			
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	296.5			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
22426.1	731,856	22231.0		728,806	21999.2	728,008	22023.2	728,117	-0.11	-0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	215.9		739	207.9	678		
KPLR_COR1 D26 DT APP	191.9		630			183.8	569
WMBD-TV D26 DT CP	3.9		19	3.9	19	3.9	19
WCPO-TV D26 DT BL	20.0		101	12.0	40	12.0	40

Interference to DTVBL13991 BL scenario 5

Desired:	Call WFIE	Chan D26	Svc DT	Status BL	City, State EVANSVILLE, IN	File Number DTVBL13991	Distance
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	296.5
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22426.1	731,856	22231.0		728,806	22003.1 728,027	22027.1 728,136	-0.11 -0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	215.9		739	203.9	678		
KPLR_COR1 D26 DT APP	191.9		630			179.9	569
WBUY-TV D26 DT CP	4.0		0	0.0	0	0.0	0
WCPO-TV D26 DT CP	20.0		101	12.0	40	12.0	40

Interference to DTVBL13991 BL scenario 6

Desired:	Call WFIE	Chan D26	Svc DT	Status BL	City, State EVANSVILLE, IN	File Number DTVBL13991	Distance		
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km		
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7		
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5		
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	296.5		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
22426.1	731,856	22231.0		728,806	22003.1	728,027	22027.1	728,136	-0.11 -0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
KPLR-TV D26 DT BL	215.9		739	207.9	678		
KPLR_COR1 D26 DT APP	191.9		630			183.8	569
WCPO-TV D26 DT CP	20.0		101	12.0	40	12.0	40

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----- Interference to DTVBL13991 BL scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	353.4
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	296.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22426.1	731,856	22231.0	728,806	22003.1	728,027	22027.1 728,136	-0.11 -0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
KPLR-TV D26 DT BL				215.9	739		
KPLR_COR1 D26 DT APP				191.9	630	179.9	569
WBUY-TV D26 DT CP				4.0	0	0.0	0
WCPO-TV D26 DT BL				20.0	101	12.0	40

----- Interference to DTVBL13991 BL scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	256.6 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	256.7
	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	136.5
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	296.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22426.1	731,856	22231.0	728,806	22003.1	728,027	22027.1 728,136	-0.11 -0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
KPLR-TV D26 DT BL				215.9	739		
KPLR_COR1 D26 DT APP				191.9	630	183.8	569
WCPO-TV D26 DT BL				20.0	101	12.0	40

----- Interference to DTVBL60830 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBUY-TV	D26	DT	BL	HOLLY SPRINGS, MS	DTVBL60830	
Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	369.7 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	369.8
	WATN-TV	D25	DT	LIC	MEMPHIS, TN	BLCDT20050628AAP	0.0
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	345.3
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	353.4
	WCBI-TV	D27	DT	CP	COLUMBUS, MS	BLANK0000024641	188.4
	WLJT-DT	D27	DT	CP	LEXINGTON, TN	BLANK0000034926	116.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
26576.6	1,554,278	26381.3	1,544,504	26249.2	1,541,995	26249.2 1,541,995	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KPLR-TV D26 DT BL				4.0	0		
KPLR_COR1 D26 DT APP				4.0	0	0.0	0
WATN-TV D25 DT LIC				20.0	466	20.0	466
WTJP-TV D26 DT LIC				51.6	1,218	51.6	1,218
WFIE D26 DT CP				4.0	0	0.0	0
WLJT-DT D27 DT CP				56.4	825	56.4	825

----- Interference to DTVBL60830 BL scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBUY-TV	D26	DT	BL	HOLLY SPRINGS, MS	DTVBL60830	

INTERFERENCE ANALYSIS FOR KPLR-TV, ST. LOUIS, MISSOURI, CHANNEL 26, CORRECTED FACILITY (2 KM CELL SIZE / 0.1 KM TERRAIN INCREMENT)

Undesireds:	KPLR-TV	D26	DT	BL	ST. LOUIS, MO	DTVBL35417	369.7 km
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	369.8
	WATN-TV	D25	DT	LIC	MEMPHIS, TN	BLCDT20050628AAP	0.0
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	345.3
	WCBI-TV	D27	DT	CP	COLUMBUS, MS	BLANK0000024641	188.4
	WLJT-DT	D27	DT	CP	LEXINGTON, TN	BLANK0000034926	116.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26576.6 1,554,278	26381.3 1,544,504	26249.2 1,541,995	26249.2 1,541,995	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KPLR-TV D26 DT BL 4.0	0	4.0	0
KPLR_COR1 D26 DT APP 4.0	0		4.0 0
WATN-TV D25 DT LIC 20.0	466	20.0 466	20.0 466
WTJP-TV D26 DT LIC 51.6	1,218	51.6 1,218	51.6 1,218
WLJT-DT D27 DT CP 56.4	825	56.4 825	56.4 825

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	
Undesireds:	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.7 km
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	238.7
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	256.7
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	369.9

Service area	Terrain-limited	IX-free	Percent IX
29281.1 2,964,328	29042.2 2,962,533	28751.9 2,955,343	1.00 0.24

Undesired	Total IX	Unique IX	Prcnt Unique IX
WMBD-TV D26 DT CP 238.8	3,670	218.8 3,577	0.75 0.12
WFIE D26 DT CP 71.5	3,613	51.5 3,520	0.18 0.12

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	
Undesireds:	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.7 km
	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	238.7
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	256.7
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	369.9

Service area	Terrain-limited	IX-free	Percent IX
29281.1 2,964,328	29042.2 2,962,533	28771.9 2,955,403	0.93 0.24

Undesired	Total IX	Unique IX	Prcnt Unique IX
WMBD-TV D26 DT BL 218.9	3,610	198.9 3,517	0.68 0.12
WFIE D26 DT CP 71.5	3,613	51.5 3,520	0.18 0.12

Interference to proposal scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	
Undesireds:	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.7 km
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	238.7
	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	256.7
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	369.9

Service area	Terrain-limited	IX-free	Percent IX
29281.1 2,964,328	29042.2 2,962,533	28763.8 2,955,436	0.96 0.24

Undesired	Total IX	Unique IX	Prcnt Unique IX
WMBD-TV D26 DT CP 238.8	3,670	226.8 3,583	0.78 0.12

INTERFERENCE ANALYSIS FOR KPLR-TV, ST. LOUIS, MISSOURI, CHANNEL 26, CORRECTED FACILITY (2 KM CELL SIZE / 0.1 KM TERRAIN INCREMENT)

WFIE D26 DT BL 51.7 3,514 39.7 3,427 0.14 0.12

Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPLR_COR1	D26	DT	APP	ST. LOUIS, MO	kplr_cor1	
Undesireds:	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	178.7 km
	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	238.7
	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	256.7
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK0000034683	369.9

Service area		Terrain-limited		IX-free		Percent IX	
29281.1	2,964,328	29042.2	2,962,533	28783.7	2,955,496	0.89	0.24

Undesired	Total IX	Unique IX	Prcnt Unique IX
WMBD-TV D26 DT BL	218.9 3,610 206.9	3,523	0.71 0.12
WFIE D26 DT BL	51.7 3,514 39.7	3,427	0.14 0.12
