

Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K33MV_Ch24_Omni_Move_Pre, Model: Longley-Rice
Start: 2019.05.06 09:48:49

Study created: 2019.05.06 09:48:49

Study build station data: LMS TV 2019-05-06

Proposal: K33MV-D D24 LD APP PARAGOULD, AR
File number: K33MV_Ch24_Omni_Move
Facility ID: 188802
Station data: User record
Record ID: 956
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP
All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WKPD	D23	DT	CP	PADUCAH, KY	BLANK0000034632	178.4 km
No	K22KA-D	D23	LD	APP	ROLLA, MO	BLANK0000071816	224.3
No	KOZK	D23	DT	LIC	SPRINGFIELD, MO	BLANK0000055432	247.6
No	KETC	D23	DT	LIC	ST. LOUIS, MO	BLANK0000048888	245.0
No	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048288	129.7
No	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000051654	389.5
No	KFSM-TV	D24	LD	LIC	FORT SMITH, AR	BLCDDT20110517AEQ	375.6
Yes	KPMF-LD	D24	LD	CP	PARAGOULD, AR	BLANK0000052722	124.6
No	KVTN-DT	D24	DT	LIC	PINE BLUFF, AR	BLCDDT20071231AFB	244.9
No	KEGW-CD	D24	DC	LIC	SILOAM SPRINGS, AR	BLANK0000071937	340.6
No	W38FQ-D	D24	LD	APP	JACKSONVILLE, IL	BLANK0000072352	392.9
No	WDLH-LD	D24	LD	APP	EVANSVILLE, IN	BLANK0000028094	323.4
No	WJTS-CD	D24	DC	CP	JASPER, IN	BLANK0000025367	389.2
No	WNKY	D24	DT	CP	BOWLING GREEN, KY	BLANK0000010425AAF	385.3
No	WQTV-LP	N24+	TX	LIC	MURRAY, KY	BLANK0000052520	187.1
No	KYCW-LD	D24	LD	CP	BRANSON, MO	BLANK0000036238	247.7
Yes	K24KY-D	D24	LD	CP	CAPE GIRARDEAU, MO	BLANK0000001277	120.8
No	K24JY-D	D24	LD	CP	COLUMBIA, MO	BLANK0000052709	325.7
No	KRLJ-LD	D24	LD	CP	JOPLIN, MO	BLCDDT20090626ACG	395.6
Yes	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLANK0000063965	250.4
No	W24EP-D	D24	DC	LIC	FULTON, MS	BNPDTL20101018ACW	313.9
No	W24EJ-D	D24	LD	CP	GREENVILLE, MS	BLANK0000035927	322.5
No	WMDN	D24	DT	APP	MERIDIAN, MS	BLCDDT20090304ADW	466.1
No	WMDN	D24	DT	LIC	MERIDIAN, MS	BLANK0000051849	466.1
No	WNPX-LP	D24-	LD	CP	NASHVILLE, TN	BLANK0000028231	322.6
Yes	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000034371	123.1
No	WDKA	D25	DT	CP	PADUCAH, KY	BNPDTL20100907ABZ	179.4
No	K25NS-D	D25	LD	CP	CAPE GIRARDEAU, MO	BLCDDT20050628AAP	120.8
No	WATN-TV	D25	DT	LIC	MEMPHIS, TN		124.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
Mask: Full Service
Latitude: 36 16 40.60 N (NAD83)
Longitude: 90 23 44.10 W
Height AMSL: 237.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW

Antenna: Omnidirectional
Elev Pattn: Generic

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	140.4 m	47.5 km
45.0	15.0	116.5	45.8
90.0	15.0	140.9	47.5
135.0	15.0	154.5	48.5
180.0	15.0	145.8	47.9
225.0	15.0	112.6	45.5
270.0	15.0	145.4	47.9
315.0	15.0	147.2	48.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 138 m

Distance to Canadian border: 885.4 km

Distance to Mexican border: 1246.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 115.8 degrees Distance: 581.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 292.7 degrees Distance: 1361.9 km

Study cell size: 1.00 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 BLANK0000051654 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPMF-LD	D24	LD	CP	PARAGOULD, AR	BLANK0000051654	
Undesireds:	K33MV-D	D24	LD	APP	PARAGOULD, AR	K33MV_Ch24_Omni_Move	124.6 km
	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	8.2
	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	337.4
	WMDN	D24	DT	APP	MERIDIAN, MS	BLANK0000035927	342.7
	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000028231	146.2
	WATN-TV	D25	DT	LIC	MEMPHIS, TN	BLCDT20050628AAP	0.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	10818.4	1,298,598	10814.4	1,298,090	10743.5	1,296,880	10725.7	1,296,877	0.17 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K33MV-D D24 LD APP	18.8	3		17.8 3
WTWV D23 DT LIC	43.0	1,058	37.0 1,046	37.0 1,046
WUWT-CD D24 DC CP	1.0	0	1.0 0	0.0 0
WATN-TV D25 DT LIC	32.9	164	26.9 152	26.9 152

Interference to BLANK0000036238 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K24KY-D	D24	LD	CP	CAPE GIRARDEAU, MO	BLANK0000036238	
Undesireds:	K33MV-D	D24	LD	APP	PARAGOULD, AR	K33MV_Ch24_Omni_Move	120.8 km
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	139.8
	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000028231	125.0
	K25NS-D	D25	LD	CP	CAPE GIRARDEAU, MO	BNPDTL20100907ABZ	0.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	4316.6	34,555	4208.0	33,396	3715.9	27,664	3706.9	27,585	0.24 0.29

Undesired		Total IX	Unique IX, before	Unique IX, after
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K33MV-D D24 LD APP	24.1	268			9.0	79
KMOV D24 DT LIC	242.1	2,233	169.6	1,745	160.6	1,616
WUWT-CD D24 DC CP	10.0	40	1.0	17	1.0	17
K25NS-D D25 LD CP	312.5	3,947	249.0	3,482	247.0	3,482

Interference to BLCDT20090626ACG LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	
Undesireds:	K33MV-D	D24	LD	APP	PARAGOULD, AR	K33MV_Ch24_Omni_Move	250.4 km
	KETC	D23	DT	LIC	ST. LOUIS, MO	BLANK0000055432	10.1
	WHOI	D24	DT	CP	PEORIA, IL	BLANK0000034285	243.8
	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	375.8
	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000028231	257.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33605.7	3,033,891	33108.0	3,028,813	32994.7	3,027,798	32989.6 3,027,752	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K33MV-D D24 LD APP	6.1 46	5.1 46	
KETC D23 DT LIC	10.0 480	10.0 480	
WHOI D24 DT CP	89.2 492	89.2 492	
KCTV D24 DT LIC	9.0 35	9.0 35	
WUWT-CD D24 DC CP	5.1 8	5.1 8	4.1 8

Interference to BLANK0000028231 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000028231	
Undesireds:	K33MV-D	D24	LD	APP	PARAGOULD, AR	K33MV_Ch24_Omni_Move	123.1 km
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	257.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5018.9	85,700	4996.7	85,654	4989.7	85,583	4949.4 85,365	0.81 0.25

Undesired	Total IX	Unique IX, before	Unique IX, after
K33MV-D D24 LD APP	44.3 250	40.3 218	
KMOV D24 DT LIC	7.0 71	7.0 71	3.0 39

Interference to proposal scenario 1
4.02% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K33MV-D	D24	LD	APP	PARAGOULD, AR	K33MV_Ch24_Omni_Move	
Undesireds:	KPMF-LD	D24	LD	CP	PARAGOULD, AR	BLANK0000051654	124.6 km
	K24KY-D	D24	LD	CP	CAPE GIRARDEAU, MO	BLANK0000036238	120.8
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	250.4
Service area		Terrain-limited		IX-free		Percent IX	
7043.1	109,458	7036.0	109,330	6926.6	104,934	1.55 4.02	
Undesired	Total IX		Unique IX		Prcnt Unique IX		
KPMF-LD D24 LD CP	107.4	4,328	107.4	4,328	1.53	3.96	
K24KY-D D24 LD CP	1.0	0	1.0	0	0.01	0.00	
KMOV D24 DT LIC	1.0	68	1.0	68	0.01	0.06	