INTERFERENCE ANALYSIS FOR K31PZ-D, CLARKSVILLE, AR, (CHANNEL 31)

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: k31pz030, Model: Longley-Rice

Study build station data: LMS TV 2022-05-11

    Proposal: K31PZ030 D31 LD APP CLARKSVILLE, AR
 File number: k31pz030
 Facility ID: 185934
Station data: User record
   Record ID: 4615
     Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KKAF-LD	D30	LD	LIC	FAYETTEVILLE, AR	BLANK0000062918	118.4 km
Yes	KLRT-TV	D30	DT	LIC	LITTLE ROCK, AR	BLANK0000149904	115.4
No	KTEQ-LP	D31-	LD	CP	FULTON, AR	BLANK0000151968	173.1
No	KTEQ-LP	D31-	LD	LIC	FULTON, AR	BLANK0000179371	173.1
No	KWBM	D31	DT	CP	HARRISON, AR	BLANK0000036086	179.8
No	KWBM	D31	DT	LIC	HARRISON, AR	BLCDT20091201ASC	179.8
No	KPBI-CD	D31	DC	LIC	WINSLOW, AR	BLANK0000055649	118.4
No	KDCU-DT	D31	DT	LIC	DERBY, KS	BLANK0000158553	451.6
No	KPJO-LD	D31	LD	LIC	PITTSBURG, KS	BLANK0000080011	242.8
No	KLAX-TV	D31	DT	LIC	ALEXANDRIA, LA	BLCDT20090622AGN	413.6
No	K31HO-D	D31	LD	LIC	SHREVEPORT, LA	BLDTL20120831AAD	278.8
No	K30NE-D	D31	LD	CP	CAPE GIRARDEAU, MO	BLANK0000071795	410.2
No	KCWE	D31	DT	LIC	KANSAS CITY, MO	BLANK0000153381	441.8
No	KOET	D31	DT	LIC	EUFAULA, OK	BLEDT20060601BJT	151.0
No	K31MK-D	D31	LD	LIC	LAWTON, OK	BLANK0000178492	427.9
No	KOHC-CD	D31	DC	LIC	OKLAHOMA CITY, OK	BLANK0000071619	343.1
No	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	354.3
No	KAZD	D31	DT	LIC	LAKE DALLAS, TX	BLANK0000125085	417.4
No	K31PR-D	D31	LD	LIC	TYLER, TX	BLANK0000153806	324.7
No	KWNL-CD	D32	DC	LIC	BENTONVILLE, AR	BLANK0000055355	118.4
Yes	KARK-TV	D32	DT	LIC	LITTLE ROCK, AR	BLANK0000149977	114.7
No	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	276.7
No	KRSU-TV	D32	DT	LIC	CLAREMORE, OK	BLANK0000067907	221.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D31
       Mask: Stringent
   Latitude: 35 9 56.20 N (NAD83)
  Longitude: 93 40 37.00 W
Height AMSL: 858.0 m
       HAAT: 602.0 m
   Peak ERP: 0.250 kW
    Antenna: KAT-CL-1469B 100.0 deg
Elev Pattrn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	627.6 m	3.1 km
45.0	0.000	449.5	9.4
90.0	0.224	363.4	35.4
135.0	0.060	714.2	35.5
180.0	0.000	641.9	3.1
225.0	0.000	699.4	3.1
270.0	0.000	679.2	3.1
315.0	0.000	643.7	3.1

Distance to Canadian border: 1183.9 km

Distance to Mexican border: 937.9 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 328.4 degrees   Distance: 762.9 km

Proposal is not within the West Virginia quiet zone area

INTERFERENCE ANALYSIS FOR K31PZ-D, CLARKSVILLE, AR, (CHANNEL 31)

Conditions at Table Mountain receiving zone:
Bearing: 301.9 degrees Distance: 1154.6 km

Study cell size: 1.00 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 to BLANK0000149904 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLRT-TV	D30	DT	LIC	LITTLE ROCK, AR	BLANK0000149904	
Undesireds:	K31PZ030	D31	LD	APP	CLARKSVILLE, AR	k31pz030	115.4 km
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	347.5
	WMC-TV	D30	DT	APP	MEMPHIS, TN	BLANK0000127522	240.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
33260.3	1,171,975	32185.7	1,153,299	31951.0	1,145,838	31938.0	1,145,788	0.04 **0.00**

Undesired	Total IX		Unique IX, before		Unique IX, after	
K31PZ030 D31 LD APP	14.0	50			13.0	50
WLBT D30 DT LIC	2.0	7	2.0	7	2.0	7
WMC-TV D30 DT APP	232.8	7,454	232.8	7,454	231.8	7,454

Interference to BLANK0000149977 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KARK-TV	D32	DT	LIC	LITTLE ROCK, AR	BLANK0000149977	
Undesireds:	K31PZ030	D31	LD	APP	CLARKSVILLE, AR	k31pz030	114.7 km
	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	269.7
	KFVS-TV	D32	DT	CP	CAPE GIRARDEAU, MO	BLANK0000150355	397.3
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	240.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
39666.6	1,212,186	37870.7	1,195,864	36956.0	1,189,946	36897.1	1,188,869	0.16 **0.09**

Undesired	Total IX		Unique IX, before		Unique IX, after	
K31PZ030 D31 LD APP	58.9	1,077			58.9	1,077
KPXJ D32 DT LIC	757.3	4,322	668.4	3,941	668.4	3,941
KFVS-TV D32 DT CP	6.9	209	5.0	13	5.0	13
WABG-TV D32 DT LIC	241.3	1,964	150.5	1,387	150.5	1,387

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31PZ030	D31	LD	APP	CLARKSVILLE, AR	k31pz030	
Undesireds:	KTEQ-LP	D31-	LD	CP	FULTON, AR	BLANK0000151968	173.1 km
	KWBM	D31	DT	CP	HARRISON, AR	BLANK0000036086	179.8
	KOET	D31	DT	LIC	EUFAULA, OK	BLEDT20060601BJT	151.0

Service area		Terrain-limited		IX-free		Percent IX	
1089.0	8,926	767.6	6,978	740.7	6,876	3.51	1.46

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KWBM D31 DT CP	3.0	0	0.0	0	0.00	0.00
KOET D31 DT LIC	26.9	102	23.9	102	3.12	1.46
