

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KZMB-ASR1013614, Model: Longley-Rice

Start: 2019.04.18 15:24:54

Study created: 2019.04.18 15:24:54

Study build station data: LMS TV 2019-04-18

Proposal: KZMB-LD D36 LD LIC ENID, OK

File number: KZMB-ASR1013614

Facility ID: 188840

Station data: User record

Record ID: 1964

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

All records for new LPTV stations excluded

Individual records excluded:

0000014084 KZMB-LD D36 LD LIC ENID, OK BLANK0000014084

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KKSU-LD	N21z	TX	LIC	MANHATTAN, KS	BLTTL19950512ID	192.0 km
No	KWKD-LP	N28+	TX	LIC	WICHITA, KS	BLTT20050801AHP	13.9

No	KMTW	D35	DT LIC	HUTCHINSON, KS	BLCDT20030117AAE	42.4
No	K35KX-D	D35	LD CP	TOPEKA, KS	BLANK0000010975	198.2
No	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	255.7
No	K35MV-D	D35	LD LIC	Concho, OK	BLANK0000060256	226.1
No	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	324.0
No	W36EQ-D	D36	LD CP	LIBERAL, KS	BMJADTL20100517AAS	336.0
No	K36IO-D	D36	LD LIC	MANHATTAN, KS	BLDTL20090908ADI	194.4
No	K36MZ-D	D36	LD CP	RUSSELL, KS	BNPDTL20100514AHL	198.2
No	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	383.3
No	K36II-D	D36	LD LIC	JOPLIN, MO	BLDTL20101022ACG	263.6
No	KSHB-TV	D36	DT CP	KANSAS CITY, MO	BLANK0000034673	291.8
No	K36NJ-D	D36	LD LIC	MONETT, MO	BLANK0000058924	312.2
No	K36MO-D	D36	LD CP	LINCOLN, NE	BNPDTL20100511ABR	367.5
No	K36NQ-D	D36	LD LIC	ALTUS, OK	BLANK0000058450	372.4
No	K36KE-D	D36	LD LIC	ARDMORE, OK	BLDTT20130911ABZ	375.5
Yes	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	184.0
No	K36LC-D	D36	LD CP	ERICK, OK	BNPDTL20100406ACL	345.0
No	K36AB-D	D36	LD LIC	LAWTON, OK	BLDTT20091229ACY	338.3
No	K36LS-D	D36	LD CP	MULDROW, OK	BNPDTL20100505AJX	343.7
No	KUOK-CD	D36	DC CP	OKLAHOMA CITY, OK	BLANK0000035680	240.7
No	KUOK-CD	D36	DC LIC	OKLAHOMA CITY, OK	BLDTA20110128AAA	240.7
No	K36NR-D	D36	LD LIC	SEILING, OK	BLANK0000058913	217.4
No	K36NV-D	D36	LD LIC	STRONG CITY, OK	BLANK0000058440	281.3
No	K36IY-D	D36	LD LIC	WEATHERFORD, OK	BLDTT20100225ABI	262.1
No	K36MA-D	D36	LD LIC	PERRYTON, TX	BLDTT20120622ADK	346.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D36

Mask: Full Service

Latitude: 37 34 38.20 N (NAD83)

Longitude: 97 21 43.40 W

Height AMSL: 401.4 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	7.8 m	29.4 km
45.0	15.0	3.5	29.4
90.0	15.0	3.5	29.4
135.0	15.0	22.3	29.4
180.0	15.0	16.6	29.4
225.0	15.0	13.7	29.4
270.0	15.0	-5.8	29.4
315.0	15.0	3.1	29.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 8 m

Distance to Canadian border: 1249.6 km

Distance to Mexican border: 944.4 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 346.5 degrees Distance: 383.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 295.0 degrees Distance: 736.6 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%

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Interference to BLANK0000067842 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	
Undesireds:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KKAP	D36	DT APP	LITTLE ROCK, AR	BLANK0000036057	352.0
	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	233.5

KSHB-TV	D36	DT	CP	KANSAS CITY, MO	BLANK0000034673	294.5
KUOK-CD	D36	DC	CP	OKLAHOMA CITY, OK	BLANK0000035680	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27014.5	1,114,795	26615.6	1,109,863	26428.1
			1,108,691	26425.1
				1,108,691
				0.01
				0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KZMB-LD D36 LD LIC	11.2	6		2.9	0
KOZJ D35 DT LIC	13.9	45	4.6	35	4.6
KFFS-CD D36 DC LIC	41.7	446	32.0	430	27.8
KKAP D36 DT APP	0.5	0	0.0	0	0.0
KBNS-CD D36 DC LIC	0.5	0	0.0	0	0.0
KSHB-TV D36 DT CP	115.2	267	103.0	256	100.8
KUOK-CD D36 DC CP	35.3	440	30.8	432	30.6

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Interference to BLANK0000067842 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT	LIC	BARTLESVILLE, OK	BLANK0000067842

Undesireds:	KZMB-LD	D36	LD	LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT	LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC	LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KBNS-CD	D36	DC	LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT	CP	KANSAS CITY, MO	BLANK0000034673	294.5
	KUOK-CD	D36	DC	CP	OKLAHOMA CITY, OK	BLANK0000035680	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
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27014.5 1,114,795 26615.6 1,109,863 26428.1 1,108,691 26425.1 1,108,691 0.01 0.00

Undesired	Total IX	Unique IX, before		Unique IX, after		
KZMB-LD D36 LD LIC	11.2	6		2.9	0	
KOZJ D35 DT LIC	13.9	45	4.6	35	4.6	35
KFFS-CD D36 DC LIC	41.7	446	32.2	430	28.0	430
KBNS-CD D36 DC LIC	0.5	0	0.0	0	0.0	0
KSHB-TV D36 DT CP	115.2	267	103.0	256	100.8	251
KUOK-CD D36 DC CP	35.3	440	30.8	432	30.6	432

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Interference to BLANK0000067842 LIC scenario 3

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	

Undesireds:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KKAP	D36	DT APP	LITTLE ROCK, AR	BLANK0000036057	352.0
	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT BL	KANSAS CITY, MO	DTVBL59444	294.5
	KUOK-CD	D36	DC CP	OKLAHOMA CITY, OK	BLANK0000035680	198.6

Service area	Terrain-limited	IX-free, before		IX-free, after		Percent New IX			
27014.5	1,114,795	26615.6	1,109,863	26468.9	1,108,768	26465.5	1,108,763	0.01	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KZMB-LD D36 LD LIC	11.2	6		3.4	5

KOZJ D35 DT LIC	13.9	45	6.8	38	6.8	38
KFFS-CD D36 DC LIC	41.7	446	32.0	430	27.8	430
KKAP D36 DT APP	0.5	0	0.0	0	0.0	0
KBNS-CD D36 DC LIC	0.5	0	0.0	0	0.0	0
KSHB-TV D36 DT BL	72.2	187	62.2	179	60.5	179
KUOK-CD D36 DC CP	35.3	440	30.8	432	30.6	432

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Interference to BLANK0000067842 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	

Undesireds:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT BL	KANSAS CITY, MO	DTVBL59444	294.5
	KUOK-CD	D36	DC CP	OKLAHOMA CITY, OK	BLANK0000035680	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27014.5	1,114,795	26615.6	1,109,863	26468.9
1,108,768	26465.5	1,108,763	0.01	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KZMB-LD D36 LD LIC	11.2	6	3.4
KOZJ D35 DT LIC	13.9	45	38
KFFS-CD D36 DC LIC	41.7	446	430
KBNS-CD D36 DC LIC	0.5	0	0
KSHB-TV D36 DT BL	72.2	187	179

KUOK-CD D36 DC CP	35.3	440	30.8	432	30.6	432
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Interference to BLANK0000067842 LIC scenario 5

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	

Undesireds:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KKAP	D36	DT APP	LITTLE ROCK, AR	BLANK0000036057	352.0
	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT CP	KANSAS CITY, MO	BLANK0000034673	294.5
	KUOK-CD	D36	DC LIC	OKLAHOMA CITY, OK	BLDTA20110128AAA	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
27014.5	1,114,795	26615.6	1,109,863	26446.1	1,109,046	26443.1	1,109,046	0.01	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after			
KZMB-LD D36 LD LIC	11.2	6	2.9	0		
KOZJ D35 DT LIC	13.9	45	4.6	35	4.6	35
KFFS-CD D36 DC LIC	41.7	446	34.9	430	29.8	430
KKAP D36 DT APP	0.5	0	0.0	0	0.0	0
KBNS-CD D36 DC LIC	0.5	0	0.0	0	0.0	0
KSHB-TV D36 DT CP	115.2	267	103.0	256	100.8	251
KUOK-CD D36 DC LIC	14.3	85	12.8	77	12.6	77

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Interference to BLANK0000067842 LIC scenario 6

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	

Undesireds:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KBNS-CD	D36	DC LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT CP	KANSAS CITY, MO	BLANK0000034673	294.5
	KUOK-CD	D36	DC LIC	OKLAHOMA CITY, OK	BLDTA20110128AAA	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27014.5	1,114,795	26615.6	1,109,863	26446.1
		1,109,046	26443.1	1,109,046
		0.01	0.00	

Undesired	Total IX	Unique IX, before	Unique IX, after
KZMB-LD D36 LD LIC	11.2	6	2.9
KOZJ D35 DT LIC	13.9	45	4.6
KFFS-CD D36 DC LIC	41.7	446	35.1
KBNS-CD D36 DC LIC	0.5	0	0.0
KSHB-TV D36 DT CP	115.2	267	103.0
KUOK-CD D36 DC LIC	14.3	85	12.8

Interference to BLANK0000067842 LIC scenario 7

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	

Undesireds:	KZMB-LD	D36	LD	LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT	LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC	LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6
	KKAP	D36	DT	APP	LITTLE ROCK, AR	BLANK0000036057	352.0
	KBNS-CD	D36	DC	LIC	BRANSON, MO	BLDTL20100315ADB	233.5
	KSHB-TV	D36	DT	BL	KANSAS CITY, MO	DTVBL59444	294.5
	KUOK-CD	D36	DC	LIC	OKLAHOMA CITY, OK	BLDTA20110128AAA	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27014.5	1,114,795	26615.6	1,109,863	26486.9
1,109,123	26483.5	1,109,118	0.01	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KZMB-LD D36 LD LIC	11.2	6		3.4	5
KOZJ D35 DT LIC	13.9	45	6.8	38	6.8
KFFS-CD D36 DC LIC	41.7	446	34.9	430	29.8
KKAP D36 DT APP	0.5	0	0.0	0	0.0
KBNS-CD D36 DC LIC	0.5	0	0.0	0	0.0
KSHB-TV D36 DT BL	72.2	187	62.2	179	60.5
KUOK-CD D36 DC LIC	14.3	85	12.8	77	12.6

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Interference to BLANK0000067842 LIC scenario 8

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOR-TV	D36	DT	LIC	BARTLESVILLE, OK	BLANK0000067842

Undesireds:	KZMB-LD	D36	LD	LIC	ENID, OK	KZMB-ASR1013614	184.0 km
	KOZJ	D35	DT	LIC	JOPLIN, MO	BLANK0000059543	126.2
	KFFS-CD	D36	DC	LIC	FAYETTEVILLE, AR	BLANK0000055356	147.6

KBNS-CD	D36	DC	LIC	BRANSON, MO	BLDTL20100315ADB	233.5
KSHB-TV	D36	DT	BL	KANSAS CITY, MO	DTVBL59444	294.5
KUOK-CD	D36	DC	LIC	OKLAHOMA CITY, OK	BLDTA20110128AAA	198.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27014.5	1,114,795	26615.6	1,109,863	26486.9
1,109,123	26483.5	1,109,118	0.01	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KZMB-LD D36 LD LIC	11.2	6	3.4
KOZJ D35 DT LIC	13.9	45	6.8
KFFS-CD D36 DC LIC	41.7	446	35.1
KBNS-CD D36 DC LIC	0.5	0	0.0
KSHB-TV D36 DT BL	72.2	187	62.2
KUOK-CD D36 DC LIC	14.3	85	12.8

Interference to proposal scenario 1

3.09% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZMB-LD	D36	LD LIC	ENID, OK	KZMB-ASR1013614	

Undesireds:	KMTW	D35	DT LIC	HUTCHINSON, KS	BLCDT20030117AAE	42.4 km
	KDOR-TV	D36	DT LIC	BARTLESVILLE, OK	BLANK0000067842	184.0
	KUOK-CD	D36	DC CP	OKLAHOMA CITY, OK	BLANK0000035680	240.7

Service area	Terrain-limited	IX-free	Percent IX
2718.2	513,310	2706.8	513,255
2369.0	497,375	12.48	3.09

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KMTW D35 DT LIC	272.1	15,275	239.5	14,866	8.85	2.90
KDOR-TV D36 DT LIC	98.3	1,014	65.7	605	2.43	0.12