

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

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KEOT_Ch31_Omni_Move_Pre, Model: Longley-Rice
Start: 2019.04.19 12:20:04

Study created: 2019.04.19 11:59:10

Study build station data: LMS TV 2019-04-18 #67

Proposal: KEOT-LD D31 LD APP ABILENE, TX
File number: KEOT_Ch31_Omni_Move
Facility ID: 188837
Station data: User record
Record ID: 912
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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	34.4 km
No	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	274.6
No	KBZO - LD	D30	LD	LIC	LUBBOCK, TX	BLANK0000063504	219.0
No	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	230.3
No	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	230.3
No	K30LM-D	D30	LD	CP	ROSCOE, TX	BNPDTL20100310ACE	69.7
No	K31NA-D	D31	LD	LIC	ALTUS, OK	BLANK0000058449	247.4
No	KSWX-LP	N31-	TX	LIC	DUNCAN, OK	BLTTL20080818AAY	288.4
No	K31JW-D	D31	LD	LIC	ELK CITY, OK	BLDTT20100510ATH	327.2
No	K31MK-D	D31	LD	CP	LAWTON, OK	BNPDTL20101004ACZ	264.1
No	KOHC-CD	D31	DC	CP	OKLAHOMA CITY, OK	BLANK0000034836	393.7
No	KOHC-CD	D31	DC	LIC	OKLAHOMA CITY, OK	BLANK0000071619	393.7
No	KLHO-LD	D31	LD	LIC	OKLAHOMA CITY, OK	BLDTL20110112ADF	393.7
No	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	309.4
No	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	149.2
No	KEYU	D31	DT	LIC	BORGER, TX	BLCDDT20130815AAW	366.5
No	K49AQ-D	D31	LD	CP	CLARENDON, TX	BLANK0000053290	288.0
No	K31GL-D	D31	LD	LIC	DE SOTO, TX	BLDTL20081110AJA	274.4
No	K31MS-D	D31	LD	CP	JOLLY, TX	BNPDTL20100510AGK	212.8
Yes	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	274.8
No	K31MU-D	D31	LD	LIC	LINGLEVILLE-CROWLEY, TX	BLDTL20150120AIJ	231.1
No	KFXK-TV	D31	DT	LIC	LONGVIEW, TX	BLCDDT20060705AAW	464.6
Yes	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	219.0
No	K31MX-D	D31-	LD	LIC	LUBBOCK, TX	BLANK0000037494	217.8
No	K31LL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	238.2
No	K31HC-D	D31	LD	LIC	QUANAH, TX	BLDTT20110118AAO	195.3
Yes	K31LM-D	D31	LD	CP	RANGER, TX	BNPDTL20100304AAZ	106.3
No	KANG-LP	N31-	TX	APP	SAN ANGELO, TX	BLANK0000059413	120.3
No	KANG-LP	D31-	LD	LIC	SAN ANGELO, TX	BLTTL19990727JE	120.3
No	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	360.5
No	NEW	D31	LD	APP	SHEFFIELD, TX	BNPDTL20100329AFB	257.0
No	K31LQ-D	D31	LD	LIC	SHERMAN, TX	BLANK0000013869	336.6
No	K31BZ-D	D31	LD	LIC	WELLINGTON, TX	BLDTT20100813BHH	259.0
No	KDAF	D32	DT	LIC	DALLAS, TX	BLCDDT20010606ABJ	275.3
No	K24GP	D32+	LD	CP	LUBBOCK, TX	BLANK0000063177	216.8
No	KFAW-LD	D32	LD	CP	MIDLAND, TX	BLANK0000056035	223.9
No	KABI-LD	D32-	LD	LIC	SNYDER, TX	BLANK0000055316	101.0
No	K32KE-D	D32	LD	CP	SWEETWATER, TX	BNPDTL20100310ACA	38.4
No	K32KT-D	D32	LD	LIC	WICHITA FALLS, TX	BLANK0000001482	203.9
No	K38IO	N38z	TX	LIC	DE LEON, TX	BLTTL20070507AEU	132.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Mask: Full Service
Latitude: 32 27 32.90 N (NAD83)
Longitude: 99 53 40.50 W
Height AMSL: 610.6 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	82.5 m	41.1 km
45.0	15.0	87.8	41.9
90.0	15.0	84.9	41.5
135.0	15.0	63.7	38.2
180.0	15.0	32.3	30.4
225.0	15.0	26.4	29.9
270.0	15.0	47.9	35.0
315.0	15.0	63.6	38.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 61 m

Distance to Canadian border: 1815.1 km

Distance to Mexican border: 331.4 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 160.3 degrees Distance: 590.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 332.3 degrees Distance: 975.6 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 BLANK0000029890 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	
Undesireds:	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	34.4 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	249.1
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	220.0
	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDT20100527AFI	355.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	29085.5	275,133	28764.4	273,033	28368.2	270,899	28365.2 270,899 0.01 0.00
Undesired				Total IX	Unique IX, before		Unique IX, after
KEOT-LD D31 LD APP				3.0	0		3.0 0
KMPX D30 DT LIC				315.6	1,713	305.5 1,679	305.5 1,679
KPLE-CD D30 DC LIC				6.1	27	2.0 0	2.0 0
KWWT D30 DT APP				72.5	421	67.4 420	67.4 420
KABB D30 DT LIC				16.2	8	7.1 0	7.1 0

Interference to BLANK0000029890 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	

Undesireds:	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	34.4 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	220.0
	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29085.5	275,133	28764.4	273,033	28368.2	270,899	28365.2 270,899	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	3.0 0	3.0 0	
KMPX D30 DT LIC	315.6 1,713	301.5 1,673	
KPLE-CD D30 DC CP	11.1 33	2.0 0	
KWWT D30 DT APP	72.5 421	67.4 420	
KABB D30 DT LIC	16.2 8	7.1 0	

Interference to BLANK0000029890 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	
Undesireds:	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	34.4 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	220.0
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29085.5	275,133	28764.4	273,033	28423.5	271,311	28420.5 271,311	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	3.0 0	3.0 0	
KMPX D30 DT LIC	315.6 1,713	306.5 1,679	
KPLE-CD D30 DC LIC	6.1 27	2.0 0	
KWWT D30 DT LIC	12.1 8	12.1 8	
KABB D30 DT LIC	16.2 8	11.1 1	

Interference to BLANK0000029890 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	
Undesireds:	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	34.4 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	220.0
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29085.5	275,133	28764.4	273,033	28423.5	271,311	28420.5 271,311	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	3.0 0	3.0 0	
KMPX D30 DT LIC	315.6 1,713	302.5 1,673	
KPLE-CD D30 DC CP	11.1 33	2.0 0	
KWWT D30 DT LIC	12.1 8	12.1 8	
KABB D30 DT LIC	16.2 8	11.1 1	

Interference to BLANK0000034935 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	
Undesireds:	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	274.8 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	0.2
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	182.9
	KOET	D31	DT	LIC	EUFULA, OK	BLEDT20060601BJT	325.3
	KOHC-CD	D31	DC	CP	OKLAHOMA CITY, OK	BLANK0000034836	311.7
	KUBE-TV	D31	DT	CP	BAYTOWN, TX	BLANK0000034465	362.8
	KDAF	D32	DT	LIC	DALLAS, TX	BLCDDT20010606ABJ	5.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42588.6 6,777,898	42063.0 6,774,288	41974.4 6,772,604	41971.3 6,772,604	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	3.0 0	3.0 0	3.0 0
KMPX D30 DT LIC	3.0 0	3.0 0	3.0 0
KOET D31 DT LIC	67.5 999	67.5 999	67.5 999
KUBE-TV D31 DT CP	10.1 333	10.1 333	10.1 333
KDAF D32 DT LIC	8.0 352	8.0 352	8.0 352

Interference to BLANK0000049097 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	219.0 km
	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	169.1
	KEYU	D31	DT	LIC	BORGER, TX	BLCDDT20130815AAW	201.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22518.0 387,799	22322.9 387,769	22221.3 387,763	22218.3 387,763	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	11.9 0	3.0 0	3.0 0
KEYU D31 DT LIC	101.7 6	101.7 6	92.7 6

Interference to BNPDTL20100304AAZ CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K31LM-D	D31	LD	CP	RANGER, TX	BNPDTL20100304AAZ	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	106.3 km
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	169.4
	KANG-LP	N31-	TX	APP	SAN ANGELO, TX	BLANK0000059413	191.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1544.0 13,131	1495.8 13,128	1467.7 12,844	1466.7 12,844	0.07 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEOT-LD D31 LD APP	1.0 0	1.0 0	1.0 0
KAZD D31 DT CP	28.1 284	28.1 284	28.1 284

Interference to proposal scenario 1

5.53% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KEOT-LD	D31	LD	APP	ABILENE, TX	KEOT_Ch31_Omni_Move	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	34.4 km
	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	149.2
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	274.8
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	219.0
	K31LM-D	D31	LD	CP	RANGER, TX	BNPDTL20100304AAZ	106.3
	KANG-LP	N31-	TX	APP	SAN ANGELO, TX	BLANK0000059413	120.3
	K32KE-D	D32	LD	CP	SWEETWATER, TX	BNPDTL20100310ACA	38.4

Service area	Terrain-limited	IX-free	Percent IX
4405.1 153,343	4305.4 152,783	3821.5 144,337	11.24 5.53

Undesired	Total IX	Unique IX	Prcnt Unique IX
KTAB-TV D30 DT CP	465.8 8,428	448.7 8,357	10.42 5.47
K31KJ-D D31 LD LIC	5.0 0	1.0 0	0.02 0.00
KAZD D31 DT CP	7.0 31	3.0 7	0.07 0.00
KLBK-TV D31 DT CP	21.1 80	8.0 9	0.19 0.01
K31LM-D D31 LD CP	2.0 0	0.0 0	0.00 0.00
K32KE-D D32 LD CP	6.0 2	5.0 2	0.12 0.00

Interference to proposal scenario 2

5.53% interference received

Desired:	Call KEOT-LD	Chan D31	Svc LD	Status APP	City, State ABILENE, TX	File Number KEOT_Ch31_Omni_Move	Distance
Undesireds:	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	34.4 km
	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	149.2
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	274.8
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	219.0
	K31LM-D	D31	LD	CP	RANGER, TX	BNPDTL20100304AAZ	106.3
	KANG-LP	D31-	LD	LIC	SAN ANGELO, TX	BLTTTL19990727JE	120.3
	K32KE-D	D32	LD	CP	SWEETWATER, TX	BNPDTL20100310ACA	38.4

Service area	Terrain-limited	IX-free	Percent IX
4405.1 153,343	4305.4 152,783	3821.5 144,337	11.24 5.53

Undesired	Total IX	Unique IX	Prcnt Unique IX
KTAB-TV D30 DT CP	465.8 8,428	446.7 8,357	10.38 5.47
K31KJ-D D31 LD LIC	5.0 0	1.0 0	0.02 0.00
KAZD D31 DT CP	7.0 31	3.0 7	0.07 0.00
KLBK-TV D31 DT CP	21.1 80	6.0 9	0.14 0.01
K31LM-D D31 LD CP	2.0 0	0.0 0	0.00 0.00
KANG-LP D31- LD LIC	4.0 0	0.0 0	0.00 0.00
K32KE-D D32 LD CP	6.0 2	5.0 2	0.12 0.00