

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KBZO-LD D30 Pre & Post Transition, Model: Longley-Rice
Start: 2018.05.02 16:30:48

Study created: 2018.05.02 16:30:48

Study build station data: LMS TV 2018-04-30 #142

Proposal: KBZO-LD D30 LD APP LUBBOCK, TX
File number: KBZO-LD D30
Facility ID: 51303
Station data: User record
Record ID: 1871
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K29HB-D	D29	LD	LIC	CLOVIS, NM	BLDTL20091109AAU	160.1 km
No	KUPT	D29	DT	LIC	HOBBS, NM	BLCDT20081125ADR	144.9
No	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDT20070831AAK	253.4
No	K47BQ-D	D29	LD	APP	CLARENDON, TX	BLANK0000053294	175.7
No	K29JV-D	D29	LD	CP	COAHOMA, TX	BNPDTL20100312ACU	146.1
Yes	KNKC-LD	D29	LD	LIC	LUBBOCK, TX	BLDTL20140423ABR	4.7
No	K29JX-D	D29	LD	CP	TULIA, TX	BNPDTL20100324ADP	110.1
No	K30GM-D	D30	LD	LIC	CAPITAN/RUIDOSO, NM	BLDTT20111229AAS	363.1
No	K30FP-D	D30	LD	LIC	SANTA ROSA, NM	BLDTT20111110AAV	303.4
No	K30HD-D	D30	LD	LIC	TUCUMCARI, NM	BLDTT20071205ADE	245.3
No	K30LI-D	D30	LD	CP	CLINTON, OK	BNPDTL20100406ACH	352.8
No	K30FY-D	D30	LD	LIC	GUYMON, OK	BLDTT20111227ACF	352.2
No	K30MR-D	D30	LD	CP	LAWTON, OK	BNPDTL20100930ARF	322.9
No	K30JP-D	D30	LD	LIC	SAYRE, OK	BLDTT20100802AZZ	267.8
Yes	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	253.4
No	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	468.2
No	K30LN-D	D30	LD	CP	LAMESA, TX	BNPDTL20100323AIN	79.3
No	K30HH-D	D30	LD	LIC	MEMPHIS, TX	BLDTT20110415AAZ	183.7
No	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	169.1
Yes	KWWT	D30	DT	LIC	ODESSA, TX	BLCDT20090612AJT	169.1
No	K30LM-D	D30	LD	CP	ROSCOE, TX	BNPDTL20100310ACE	168.9
No	NEW	D30	LD	APP	SHEFFIELD, TX	BNPDTL20100329AFA	315.5
No	K30LO-D	D30	LD	CP	TULIA, TX	BNPDTL20100324ADQ	110.1
No	K30LD-D	D30	LD	LIC	WICHITA FALLS, TX	BLDTL20110406ABU	314.7
No	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	149.9
No	KEYU	D31	DT	LIC	BORGER, TX	BLCDT20130815AAW	201.9
No	K49AQ-D	D31	LD	APP	CLARENDON, TX	BLANK0000053290	175.7
No	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	0.0
No	K31MX-D	D31-	LD	LIC	Lubbock, TX	BLANK0000037494	2.7
No	K31LL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	172.3
No	K41CA-D	D31	LD	APP	TULIA, TX	BLANK0000053137	112.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 33 31 33.80 N (NAD83)
Longitude: 101 52 8.60 W
Height AMSL: 1184.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: AND-ALP16L2-HSOC (ID 16531) 0.0 deg
Elev Pattnr: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	201.8 m	50.7 km
45.0	12.0	212.9	50.2
90.0	6.69	227.6	48.0
135.0	5.68	217.9	46.7
180.0	6.85	205.6	46.9
225.0	5.68	187.8	44.9
270.0	6.69	181.7	45.4
315.0	12.0	187.0	48.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 203 m

Distance to Canadian border: 1719.8 km

Distance to Mexican border: 407.4 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 255.0 degrees Distance: 763.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 338.8 degrees Distance: 791.0 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 BLDLTL20140423ABR LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNKC-LD	D29	LD	LIC	LUBBOCK, TX	BLDTL20140423ABR	
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	4.7 km
	KFMP-LP	D28+	LD	CP	LUBBOCK, TX	BLANK0000011027	4.7
	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDT20070831AAK	250.6
	K29GD	N29	TX	CP	AMARILLO, TX	BPTTL20121210AEE	185.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3606.8	284,543	3596.8	284,543	3581.9	284,543	3581.9 284,543	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KBZO-LD D30	LD APP	1.0	0			0.0 0	
KFMP-LP D28+	LD CP	4.0	0	4.0	0	3.0 0	
KRBC-TV D29	DT LIC	10.9	0	10.9	0	10.9 0	

Interference to BLANK0000029890 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	253.4 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	28827.0	274,575	28373.5	273,251	28373.5 273,251	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KBZO-LD D30	LD APP	1.0	0			0.0 0	
KMPX D30	DT LIC	350.8	1,266	331.6	1,230	331.6 1,230	
KPLE-CD D30	DC LIC	6.1	20	0.0	0	0.0 0	
KWWT D30	DT APP	98.7	53	90.6	46	89.6 46	
KABB D30	DT LIC	28.4	28	6.1	5	6.1 5	

Interference to BLANK0000029890 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	253.4 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	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	BLCDT20100527AFI	355.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29085.5	275,133	28827.0	274,575	28372.5	273,251	28372.5 273,251	0.00 0.00

Undesired	Total	IX	Unique	IX, before	Unique	IX, after
KBZO-LD D30 LD APP	1.0	0			0.0	0
KMPX D30 DT LIC	350.8	1,266	331.6	1,230	331.6	1,230
KPLE-CD D30 DC CP	11.1	36	1.0	0	1.0	0
KWWT D30 DT APP	98.7	53	90.6	46	89.6	46
KABB D30 DT LIC	28.4	28	6.1	5	6.1	5

Desired:	Call KTAB-TV	Chan D30	Svc DT	Status CP	City, State ABILENE, TX	File Number BLANK0000029890	Distance		
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	253.4 km		
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	249.1		
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	220.0		
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDT20090612AJT	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	28827.0		274,575	28443.9	273,290	28442.9	273,290	0.00 0.00

Interference to BLANK0000029890 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890				
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	253.4 km			
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	249.1			
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	220.0			
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDT20090612AJT	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	28827.0		274.575	28442.9	273.290	28441.9	273.290	0.00	0.00

Interference to BLCDT20090612AJT LIC scenario 1

Desired:	Call KWWT	Chan D30	Svc DT	Status LIC	City, State ODESSA, TX	File Number BLCDT20090612AJT	Distance
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	169.1 km
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	255.1
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
10106.8	293,290	10082.5		293,290	9927.5 293,265	9923.4 293,265	0.04 0.00

Interference to BLCDT20090612AJT LIC scenario 2

Desired:	Call KWWT	Chan D30	Svc DT	Status LIC	City, State ODESSA, TX	File Number BLCDT20090612AJT	Distance
Undesireds:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	169.1 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	255.1
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
10106.8	293.290	10082.5		293.290	9937.5 293.265	9933.5 293.265	0.04 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KBZO-LD D30 LD APP	23.2	5		4.1 0
KTAB-TV D30 DT BL	145.0	25	145.0 25	125.8 20

Interference to proposal scenario 1
3.22% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBZO-LD	D30	LD	APP	LUBBOCK, TX	KBZO-LD D30	
Undesireds:	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	253.4 km
	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	169.1
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000049097	0.0
	K31MX-D	D31-	LD	LIC	Lubbock, TX	BLANK0000037494	2.7

Service area	Terrain-limited	IX-free	Percent IX
7169.0 302,066	7135.2 302,066	5776.9 292,346	19.04 3.22

Undesired	Total IX	Unique IX	Prcnt Unique IX
KTAB-TV D30 DT CP	32.8 1	18.9 0	0.26 0.00
KLBK-TV D31 DT CP	1224.1 9,703	299.1 1,972	4.19 0.65
K31MX-D D31- LD LIC	1035.3 7,747	112.3 17	1.57 0.01