

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Aubrey26d15kwELTI270T, Model: Longley-Rice

Start: 2021.07.26 10:06:35

Study created: 2021.07.26 10:06:35

Study build station data: LMS TV 2021-07-24

Proposal: K26PS-D D26 LD APP Aubrey, TX

Facility ID: 186361

Station data: User record

Record ID: 48

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	KNAV-LD	N22-	TX	LIC	DALLAS, TX	BLTTTL20050915ABM	70.4 km
No	KWTV-DT	D25	DT	LIC	OKLAHOMA CITY, OK	BLANK0000067689	268.2
Yes	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	70.3
No	K25FW-D	D25	LD	LIC	CORSICANA, TX	BLDTL20110113ABK	70.5
No	K25ND-D	D25	LD	LIC	MOUNT VERNON, TX	BLANK0000151991	161.7
No	K25LG-D	D25	LD	LIC	TYLER, TX	BLANK0000107602	201.7
No	KXUN-LD	D26	LD	LIC	FORT SMITH, AR	BLANK0000064232	343.9
No	KZTE-LD	D26	LD	LIC	FULTON, AR	BLDTL20121226ADR	269.5
No	K19II-D	D26	LD	CP	ARDMORE, OK	BLANK0000072054	91.3
No	DKSWX-LD	D26-	LD	APP	DUNCAN, OK	BLANK0000074560	196.6
No	K26NC-D	D26	LD	LIC	ELK CITY, OK	BLANK0000058431	317.5
No	K44IW-D	D26	LD	LIC	HOLLIS, OK	BLANK0000058436	311.3
No	KLHO-LD	D26	LD	CP	OKLAHOMA CITY, OK	BLANK0000054306	242.8
No	K26PE-D	D26	LD	CP	PONCA CITY, OK	BLANK0000071808	378.8
No	KOTV-DT	D26	DT	LIC	TULSA, OK	BLANK0000116553	332.7
No	KTES-LD	D26	LD	LIC	ABILENE, TX	BLANK0000143282	306.6
No	K26KP-D	D26	LD	CP	CISCO, TX	BNPDTL20100304AAU	214.5
Yes	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDTL20141017ACV	71.0

No	KRIV	D26	DT	CP	HOUSTON, TX	BLANK0000149927	429.0
No	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	429.0
Yes	KNMW-LD	D26	LD	LIC	MINERAL WELLS, TX	BLANK0000062727	113.9
No	KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	381.2
No	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	278.4
No	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	446.4
No	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	212.0
No	K26NK-D	D26-	LD	LIC	WICHITA FALLS, TX	BLANK0000055164	168.1
No	K26NK-D	D26-	LD	CP	WICHITA FALLS, TX	BLANK0000144493	164.8
No	K46AI-D	D27	LD	LIC	DURANT, OK	BLANK0000063814	100.4
No	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLANK0000121786	265.0
No	KFOR-TV	D27	DT	CP	OKLAHOMA CITY, OK	BLANK0000127588	265.0
Yes	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	70.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
 Mask: Stringent
 Latitude: 33 13 23.40 N (NAD83)
 Longitude: 96 58 11.50 W
 Height AMSL: 190.0 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008472) 270.0 deg
 Elev Pattnr: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.012 kW	-13.1 m	6.0 km
45.0	0.114	20.9	10.4
90.0	0.037	7.8	7.9
135.0	0.081	16.6	9.5
180.0	0.013	24.6	6.1
225.0	3.22	20.5	23.4

270.0	15.0	12.3	30.4
315.0	3.02	8.8	23.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 12 m

Distance to Canadian border: 1553.2 km

Distance to Mexican border: 568.7 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 188.0 degrees Distance: 648.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 318.6 degrees Distance: 1061.6 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 BLANK0000073172 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		70.3 km
	KXAS-TV	D24	DT	LIC	FORT WORTH, TX	BLANK0000054717	0.7
	KWTV-DT	D25	DT	LIC	OKLAHOMA CITY, OK	BLANK0000067689	337.6
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	364.2
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	142.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31768.3	6,560,043	31548.8	6,558,354	30156.6	6,528,778	30154.6	6,528,431	0.01	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
K26PS-D D26 LD APP	3.0	983			2.0	347	
KXAS-TV D24 DT LIC	990.2	21,720		827.6	19,990	826.6	19,354
KWTV-DT D25 DT LIC	56.7	456		56.7	456	56.7	456
KYAZ D25 DT LIC	5.1	6		1.0	0	1.0	0
KXXV D26 DT LIC	506.0	9,124		344.4	7,400	344.4	7,400

Interference to BLDLTL20141017ACV LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDLTL20141017ACV	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		71.0 km
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	1.1
	K25FW-D	D25	LD	LIC	CORSICANA, TX	BLDLTL20110113ABK	0.7
	KNMW-LD	D26	LD	LIC	MINERAL WELLS, TX	BLANK0000062727	111.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	142.3
	K26NK-D	D26-	LD	LIC	WICHITA FALLS, TX	BLANK0000055164	210.0
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	1.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4421.1	4,108,817	4421.1	4,108,817	1630.3	1,972,493	1630.3	1,972,493	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K26PS-D D26 LD APP	4.0	2,364			0.0	0	
KPXD-TV D25 DT LIC	1793.2	1,039,890		53.1	43,881	53.1	43,881
K25FW-D D25 LD LIC	98.9	96,245		0.0	0	0.0	0
KNMW-LD D26 LD LIC	3.0	273		0.0	0	0.0	0
KXXV D26 DT LIC	84.1	25,511		0.0	0	0.0	0
KDFI D27 DT LIC	2733.7	2,089,591		987.6	1,082,989	987.6	1,082,989

Interference to BLANK0000062727 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNMW-LD	D26	LD	LIC	MINERAL WELLS, TX	BLANK0000062727	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		113.9 km
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	110.1
	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDTL20141017ACV	111.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	184.2
	K26NK-D	D26-	LD	LIC	WICHITA FALLS, TX	BLANK0000055164	123.5
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	109.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	6425.1	133,450	5997.6	113,408	5669.1	99,069	5646.2 98,681 0.40 0.39
Undesired				Total IX	Unique IX, before	Unique IX, after	
K26PS-D D26 LD APP		73.8		1,087		23.0 388	
KPXD-TV D25 DT LIC		13.0		686	0.0 0	0.0 0	
K26KC-D D26 LD LIC		150.9		8,778	91.9 4,782	70.0 4,651	
KXXV D26 DT LIC		169.6		5,911	90.8 1,770	83.8 1,747	
K26NK-D D26- LD LIC		62.7		1,801	13.0 4	12.0 4	
KDFI D27 DT LIC		70.0		5,011	23.0 1,920	21.0 1,920	

Interference to BLANK0000062727 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNMW-LD	D26	LD	LIC	MINERAL WELLS, TX	BLANK0000062727	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		113.9 km
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	110.1
	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDTL20141017ACV	111.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	184.2
	K26NK-D	D26-	LD	CP	WICHITA FALLS, TX	BLANK0000144493	122.7
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	109.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	6425.1	133,450	5997.6	113,408	5662.1	99,055	5639.2 98,667 0.41 0.39
Undesired				Total IX	Unique IX, before	Unique IX, after	

K26PS-D D26 LD APP	73.8	1,087			23.0	388
KPXD-TV D25 DT LIC	13.0	686	0.0	0	0.0	0
K26KC-D D26 LD LIC	150.9	8,778	91.9	4,782	70.0	4,651
KXXV D26 DT LIC	169.6	5,911	91.8	1,774	84.8	1,751
K26NK-D D26- LD CP	68.7	1,811	19.9	18	18.9	18
KDFI D27 DT LIC	70.0	5,011	23.0	1,920	21.0	1,920

Interference to BLANK0000074883 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		70.9 km
	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE	142.1
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLANK0000121786	334.9
	KBVO	D27	DT	LIC	LLANO, TX	BLCDDT20090622ABA	260.0
	KLEG-CD	D28	DC	LIC	DALLAS, TX	BLANK0000080460	27.1
	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK0000117686	145.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	38855.5	6,682,284	38512.1	6,679,900	37879.5	6,671,847	37878.5 6,671,539 0.00 0.00

		Total IX	Unique IX, before	Unique IX, after
Undesired				
K26PS-D D26 LD APP	1.0	308	1.0	308
KXXV D26 DT LIC	324.3	5,059	180.8	3,729
KFOR-TV D27 DT LIC	104.3	2,009	85.4	1,750
KBVO D27 DT LIC	264.3	2,118	196.9	979
KLEG-CD D28 DC LIC	2.0	0	2.0	0
KWKT-TV D28 DT LIC	137.4	1,304	2.0	6

Interference to BLANK0000074883 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		70.9 km

KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	142.1
KFOR-TV	D27	DT	CP	OKLAHOMA CITY, OK	BLANK0000127588	334.9
KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	260.0
KLEG-CD	D28	DC	LIC	DALLAS, TX	BLANK0000080460	27.1
KWKT-TV	D28	DT	LIC	WACO, TX	BLANK0000117686	145.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38855.5 6,682,284	38512.1 6,679,900	37849.7 6,671,441	37848.7 6,671,133	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K26PS-D D26 LD APP 1.0	308	1.0 308	
KXXV D26 DT LIC 324.3	5,059	180.8 3,729	180.8 3,729
KFOR-TV D27 DT CP 141.1	2,444	115.2 2,156	115.2 2,156
KBVO D27 DT LIC 264.3	2,118	189.9 950	189.9 950
KLEG-CD D28 DC LIC 2.0	0	2.0 0	2.0 0
KWKT-TV D28 DT LIC 137.4	1,304	2.0 6	2.0 6

Interference to BLANK0000074883 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		70.9 km
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	142.1
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLANK0000121786	334.9
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	260.0
	KLEG-CD	D28	DC	CP	DALLAS, TX	BLANK0000143076	27.1
	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK0000117686	145.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38855.5 6,682,284	38512.1 6,679,900	37881.5 6,671,847	37880.5 6,671,539	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K26PS-D D26 LD APP 1.0	308	1.0 308	
KXXV D26 DT LIC 324.3	5,059	180.8 3,729	180.8 3,729
KFOR-TV D27 DT LIC 104.3	2,009	84.4 1,723	84.4 1,723
KBVO D27 DT LIC 264.3	2,118	196.9 979	196.9 979

KLEG-CD D28 DC CP	1.0	27	0.0	0	0.0	0
KWKT-TV D28 DT LIC	137.4	1,304	2.0	6	2.0	6

Interference to BLANK0000074883 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	
Undesireds:	K26PS-D	D26	LD	APP	Aubrey, TX		70.9 km
	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE	142.1
	KFOR-TV	D27	DT	CP	OKLAHOMA CITY, OK	BLANK00000127588	334.9
	KBVO	D27	DT	LIC	LLANO, TX	BLCDDT20090622ABA	260.0
	KLEG-CD	D28	DC	CP	DALLAS, TX	BLANK00000143076	27.1
	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK00000117686	145.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38855.5 6,682,284	38512.1 6,679,900	37851.7 6,671,441	37850.7 6,671,133	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K26PS-D D26 LD APP 1.0	308	1.0 308	
KXXV D26 DT LIC 324.3	5,059	180.8 3,729	180.8 3,729
KFOR-TV D27 DT CP 141.1	2,444	114.2 2,129	114.2 2,129
KBVO D27 DT LIC 264.3	2,118	189.9 950	189.9 950
KLEG-CD D28 DC CP 1.0	27	0.0 0	0.0 0
KWKT-TV D28 DT LIC 137.4	1,304	2.0 6	2.0 6

Interference to proposal scenario 1
16.23% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26PS-D	D26	LD	APP	Aubrey, TX		
Undesireds:	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	70.3 km
	K26KC-D	D26	LD	LIC	DALLAS, TX	BLDTL20141017ACV	71.0
	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE	212.0
	K26NK-D	D26-	LD	LIC	WICHITA FALLS, TX	BLANK0000055164	168.1

KDFI D27 DT LIC DALLAS, TX BLANK0000074883 70.9

Service area		Terrain-limited			IX-free	Percent IX	
915.6	240,638	915.6	240,638	718.6	201,578	21.52	16.23

Undesired	Total IX			Unique IX	Prcnt Unique IX
KPXD-TV D25 DT LIC	12.9	836	1.0	0	0.11 0.00
K26KC-D D26 LD LIC	193.1	38,933	130.4	33,060	14.24 13.74
KXXV D26 DT LIC	9.9	167	0.0	0	0.00 0.00
KDFI D27 DT LIC	61.7	5,955	3.0	127	0.33 0.05