

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Tyler21d0.2kwincEltiat200fA1, Model: Longley-Rice

Start: 2022.05.13 07:44:19

Study created: 2022.05.13 07:44:19

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

Proposal: K21PE-D D21 LD CP TYLER, TX

Facility ID: 185722

Station data: User record

Record ID: 2080

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	KBXS-CD	D20	DC	LIC	SHREVEPORT, LA	BLANK0000071739	136.1 km
No	K20PC-D	D20	LD	LIC	CENTERVILLE, TX	BLANK00000164606	166.3
No	KBOP-LD	D20	LD	LIC	DALLAS-FT WORTH, TX	BLDTL20110120ACW	163.9
No	KFXK-TV	D20	DT	LIC	LONGVIEW, TX	BLANK0000071623	40.1
No	KCIB-LD	D21	LD	LIC	EL DORADO, AR	BLDTL20120423AAH	249.7
No	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDT20031121AMR	285.7
No	KKYK-CD	D21	DC	LIC	LITTLE ROCK, AR	BLANK0000062774	355.7
No	DK02QB	D21	LD	APP	ALEXANDRIA, LA	BDISDTL20090824AGJ	297.7
No	K21OM-D	D21	LD	LIC	LAFAYETTE, LA	BLANK00000105971	376.9
No	K21OB-D	D21+	LD	LIC	LAKE CHARLES, LA	BLANK00000147610	313.3
No	K21OZ-D	D21-	LD	LIC	Shreveport, LA	BLANK00000160538	147.9
No	WAPT	D21	DT	LIC	JACKSON, MS	BLCDT20081126ALZ	463.1
No	K21MP-D	D21	LD	LIC	LAWTON, OK	BLANK0000055044	364.4
No	KUOT-CD	D21	DC	LIC	OKLAHOMA CITY, OK	BLANK0000069721	376.3
No	KXAB-LD	D21+	LD	LIC	ABILENE, TX	BLANK00000179295	423.4
No	KXAN-TV	D21	DT	LIC	AUSTIN, TX	BLANK00000121393	347.0
No	KXAN-TV	D21	DT	CP	AUSTIN, TX	BLANK00000127602	347.0
No	KDTX-TV	D21	DT	LIC	DALLAS, TX	BLANK0000075181	164.0
No	KWDA-LD	D21	LD	LIC	DALLAS, TX	BLDTL20110711AGT	150.6
No	KZJL	D21	DT	LIC	HOUSTON, TX	BLANK0000072328	332.1
No	KHTX-LD	D21	LD	LIC	HUNTSVILLE, TX	BLANK0000014078	205.5

No	K21KJ-D	D21	LD	LIC	MINERAL WELLS, TX	BLDTL20140612AAS	242.5
No	K22MT-D	D22	LD	LIC	IDABEL, OK	BLANK0000059597	154.6
No	KNAV-LD	D22	LD	LIC	DALLAS, TX	BLANK0000120153	164.0
No	KNAV-LD	N22-	TX	LIC	DALLAS, TX	BLTTL20050915ABM	164.0
No	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	53.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
Mask: Full Service
Latitude: 32 32 24.00 N (NAD83)
Longitude: 95 13 12.00 W
Height AMSL: 121.9 m
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 200.0 deg
Elev Pattnr: Generic

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-2.9 m	2.5 km
45.0	0.000	12.6	2.6
90.0	0.000	29.4	3.1
135.0	0.009	-0.5	5.7
180.0	0.145	-10.2	11.3
225.0	0.120	-26.7	10.8
270.0	0.003	-10.1	4.5
315.0	0.001	19.0	3.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 1 m

Distance to Canadian border: 1490.8 km

Distance to Mexican border: 645.6 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 205.0 degrees Distance: 621.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 316.1 degrees Distance: 1228.2 km

No land mobile station failures found

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%

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Interference to proposal scenario 1

24.16% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K21PE-D	D21	LD	CP	TYLER, TX		
Undesireds:	KFXK-TV	D20	DT	LIC	LONGVIEW, TX	BLANK0000071623	40.1 km
	KDTX-TV	D21	DT	LIC	DALLAS, TX	BLANK0000075181	164.0
	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	53.9

Service area	Terrain-limited	IX-free	Percent IX
128.4 2,421	128.4 2,421	107.4 1,836	16.41 24.16

Undesired	Total IX	Unique IX	Prcnt Unique IX
KFXK-TV D20 DT LIC 20.1 585 8.0	32	6.25	1.32
KDTX-TV D21 DT LIC 5.0 276 1.0	0	0.78	0.00
KETK-TV D22 DT LIC 11.0 489 0.0	0	0.00	0.00