

### Figure 3 - K220K-LD FCC TVSTUDY SUMMARY REPORT

CELL SIZE 1.0

PROFILE SPACING 1.0 (DEFAULT)

Study build station data: LMS TV 2023-02-28

Proposal: K220K-D D22 LD APP WACO, TX  
File number: K220K-LD APP  
Facility ID: 190132  
Station data: User record  
Record ID: 695  
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	KXAN-TV	D21	DT	LIC	AUSTIN, TX	BLANK0000121393	115.5 km
No	KXAN-TV	D21	DT	CP	AUSTIN, TX	BLANK0000127602	115.5
No	KDTX-TV	D21	DT	LIC	DALLAS, TX	BLANK0000075181	167.0
No	KZJL	D21	DT	LIC	HOUSTON, TX	BLANK0000072328	220.2
No	KHTX-LD	D21	LD	LIC	HUNTSVILLE, TX	BLANK0000014078	149.3
No	K21KJ-D	D21	LD	LIC	MINERAL WELLS, TX	BLDTL20140612AAS	199.4
No	DK22GT	N22z	TX	APP	LAKE CHARLES, LA	BLTTL20060103ABZ	352.5
No	K22NI-D	D22	LD	LIC	LEESVILLE, LA	BLANK0000064144	359.5
No	K22JQ-D	D22	LD	CP	ARDMORE, OK	BLANK0000164280	343.5
No	K22JQ-D	D22	LD	LIC	ARDMORE, OK	BLDTL20140224ACC	351.0
No	K22MT-D	D22	LD	LIC	IDABEL, OK	BLANK0000059597	371.8
No	KZAB-LP	D22-	LD	CP	ABILENE, TX	BLANK0000136000	301.1
No	KZAB-LP	D22-	LD	LIC	ABILENE, TX	BLANK0000179375	301.1
Yes	KLRU	D22	DT	LIC	AUSTIN, TX	BLEDT20040305ACK	116.1
No	KUMY-LD	D22	LD	CP	BEAUMONT, TX	BLANK0000151634	297.1
No	KUMY-LD	D22	LD	LIC	BEAUMONT, TX	BLDTL20120308ACH	297.1
No	K22JA-D	D22	DC	LIC	CORPUS CHRISTI, TX	BLANK0000117103	374.9
No	KNAV-LD	D22	LD	LIC	DALLAS, TX	BLANK0000120153	167.0
No	DK210R-D	D22	LD	APP	Eagle Pass, TX	BLANK0000104166	421.7
No	KTMD	D22	DT	LIC	GALVESTON, TX	BLANK0000169199	219.5
No	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	191.1
No	KGSW-LD	D22	LD	LIC	KEENE, TX	BLANK0000106132	150.4
No	KTXE-LD	D22	LD	LIC	SAN ANGELO, TX	BLANK0000152176	333.6
No	KISA-LD	D22	LD	LIC	SAN ANTONIO, TX	BLANK0000101032	234.5
No	K22NR-D	D22	LD	LIC	STEPHENVILLE, TX	BLANK0000074737	182.4
No	KAUZ-TV	D22	DT	LIC	WICHITA FALLS, TX	BLCDDT20090724ACR	345.4
No	KNVA	D23	DT	LIC	AUSTIN, TX	BLANK0000121388	115.5
No	KAGS-LD	D23	LD	LIC	BRYAN, TX	BLDTL20101026AAZ	68.8
No	KLTJ	D23	DT	LIC	GALVESTON, TX	BLEDT20110127ACD	219.5
No	KTXD-TV	D23	DT	LIC	GREENVILLE, TX	BLANK0000080284	167.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22  
Mask: Full Service  
Latitude: 31 5 12.80 N (NAD83)  
Longitude: 96 58 35.70 W  
Height AMSL: 167.6 m  
HAAT: 0.0 m  
Peak ERP: 3.20 kW  
Antenna: SCA PR-TV CUS 100.0 deg  
Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.292 kW	31.9 m	13.6 km
45.0	0.032	45.7	9.5
90.0	2.15	48.7	26.9
135.0	0.065	57.8	12.7
180.0	0.018	49.0	8.6
225.0	0.023	34.9	7.6
270.0	0.018	19.6	6.7
315.0	0.637	26.5	16.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 39 m

Distance to Canadian border: 1722.0 km  
Distance to Mexican border: 418.6 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 192.5 degrees    Distance: 414.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 325.7 degrees    Distance: 1249.0 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%

Proposal causes 0.04% interference to BLEDT20040305ACK LIC scenario 2

---- Below is IX received by proposal K220K-LD APP ----

Proposal receives 7.83% interference from scenario 1

No IX check failures found.