

Study created: 2019.04.17 17:04:39

Study build station data: LMS TV 2019-04-16 #29

Proposal: K20KJ-D D20 LD CP BRYAN, TX
File number: BLANK0000024590
Facility ID: 182723
Station data: User record
Record ID: 49
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	KGBS-CD	D19	DC	LIC	AUSTIN, TX	BLDTL20141118ARA	125.7 km
No	KTVT	D19	DT	LIC	FORT WORTH, TX	BLC DT20121115ABM	214.0
Yes	KTXH	D19	DT	APP	HOUSTON, TX	BLANK0000035783	156.6
Yes	KTXH	D19	DT	LIC	HOUSTON, TX	BLC DT20090804ABC	156.7
No	KXTS-LD	D19	LD	LIC	VICTORIA, TX	BLDTL20111216AAU	208.2
No	KLTL-TV	D20	DT	LIC	LAKE CHARLES, LA	BLED T20100216ABR	340.6
No	KBXS-CD	D20	DC	CP	SHREVEPORT, LA	BLANK0000034664	332.0
No	K24IW-D	D20	LD	CP	ARDMORE, OK	BLANK0000052881	373.8
No	KAQC-LP	N20+	TX	LIC	ATLANTA, TX	BLTT L20050817AAN	358.5
No	KADF-LD	D20	LD	LIC	AUSTIN, TX	BLANK0000005184	125.5
No	KADF-LD	D20	LD	CP	AUSTIN, TX	BLANK0000056038	125.5
No	KADF-LD	N20+	TX	LIC	AUSTIN, TX	BLTT L20071029AAN	125.5
No	KZCZ-LD	D20	LD	CP	COLLEGE STATION, TX	BLANK0000051615	100.1
No	K20JT-D	D20	LD	LIC	CORPUS CHRISTI, TX	BLDTL20140326AAP	329.6
No	KBOP-LD	D20	LD	LIC	DALLAS-FT WORTH, TX	BLDTL20110120ACW	219.2
No	K27JJ-D	D20	LD	CP	FORBES/JASPER CTY, TX	BLANK0000054527	204.8
No	KQHO-LD	D20	LD	LIC	HOUSTON, TX	BLDTL20121207ACT	150.6
No	NEW	D20	LD	APP	INGRAM, TX	BMJADTL20100524AGO	288.8
No	KFXK-TV	D20	DT	CP	LONGVIEW, TX	BLANK0000028476	234.4
No	KFXK-TV	D20	DT	LIC	LONGVIEW, TX	BLANK0000071623	234.4
No	KAKH-LD	D20	LD	LIC	LUFKIN, TX	BLANK0000001092	197.9
No	KUVM-CD	D20	DC	LIC	MISSOURI CITY, TX	BLANK0000071589	156.7
No	KRTX-LD	D20-	LD	LIC	SAN ANTONIO, TX	BLANK0000063010	222.6
No	KRTX-LD	N20-	TX	LIC	SAN ANTONIO, TX	BLTT19981014JC	231.7
No	KHPM-CD	D20	DC	CP	SAN MARCOS, TX	BLANK0000027654	158.8
No	KTXS-TV	D20	DT	APP	SWEETWATER, TX	BLANK0000035779	390.1
No	KTXS-TV	D20	DT	LIC	SWEETWATER, TX	BLC DT20080815ABJ	390.1
No	KTXS-TV	D20	DT	CP	SWEETWATER, TX	BPC DT20110801ALU	390.1
No	KAVU-TV	D20	DT	CP	VICTORIA, TX	BLANK0000028099	208.2
No	KXAN-TV	D21	DT	LIC	AUSTIN, TX	BLC DT20050630AAG	125.3
No	KDTX-TV	D21	DT	CP	DALLAS, TX	BLANK0000034792	219.3
Yes	KZJL	D21	DT	CP	HOUSTON, TX	BLANK0000034734	156.7
No	KVQT-LD	D21	LD	LIC	HOUSTON, TX	BLDTL20100319AAW	155.9
No	KHTX-LD	D21	LD	LIC	HUNTSVILLE, TX	BLANK0000014078	102.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20

Mask: Stringent
Latitude: 30 38 59.70 N (NAD83)
Longitude: 96 32 47.90 W
Height AMSL: 171.0 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Sira-UTV01 x 2 (ID 1001232) 45.0 deg
Elev Pattn: Generic

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.48 kW	94.5 m	35.0 km
45.0	2.07	75.2	31.5
90.0	2.18	85.1	33.1
135.0	1.62	101.9	33.7
180.0	0.055	92.9	15.7
225.0	0.000	67.0	1.3
270.0	0.000	74.2	1.3
315.0	0.237	81.0	21.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 84 m

Distance to Canadian border: 1731.5 km

Distance to Mexican border: 433.5 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 200.3 degrees Distance: 379.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 325.7 degrees Distance: 1312.3 km

No land mobile station failures found

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%

No IX check failures found.