

Study created: 2023.03.24 10:50:33 JMc

Study build station data: LMS TV 2023-03-24

Proposal: K28QN-D D28 LD CP COLLEGE STATION, TX
File number: BLANK0000116857
Facility ID: 182054
Station data: User record
Record ID: 1492
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	KNXG-LD	D27	LD	LIC	COLLEGE STATION, TX	BLANK00000186734	24.9 km
No	KDFI	D27	DT	LIC	DALLAS, TX	BLANK00000074883	227.0
No	KBPX-LD	D27	LD	LIC	HOUSTON, TX	BLANK00000072640	130.6
No	KQHO-LD	D27	LD	LIC	HOUSTON, TX	BLANK00000072691	130.6
No	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	219.2
No	KLUF-LD	D27-	LD	APP	LUFKIN, TX	BLANK0000010680	170.5
No	KLUF-LD	D27-	LD	LIC	LUFKIN, TX	BLANK00000151859	170.3
No	KLUF-LD	D27-	LD	CP	LUFKIN, TX	BLANK00000153447	170.5
No	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK00000063140	225.7
No	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	383.2
No	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA	BLANK00000193557	318.0
No	K28QM-D	D28	LD	CP	BEAUMONT, TX	BNPDTL20090825AQW	223.1
No	KLEG-CD	D28	DC	LIC	DALLAS, TX	BLANK00000185582	243.8
No	KYVV-TV	D28	DT	APP	DEL RIO, TX	BMPCDT20080618ACC	375.7
No	KYVV-TV	D28	LD	APP	DEL RIO, TX	BDRTCDT20101008AAW	289.5
No	KYVV-TV	D28	DT	LIC	DEL RIO, TX	BLCDT20110527AKP	464.2
No	KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK00000127537	139.0
No	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	139.0
No	DDKETX-LP	D28	LD	APP	LIVINGSTON, TX	BDISDTL20090814AAJ	129.6
No	KCEB	D28	DT	LIC	LONGVIEW, TX	BLANK00000080719	318.0
Yes	WOAI-TV	D28	DT	LIC	SAN ANTONIO, TX	BLANK00000191508	244.4
No	KSAA-LD	N28+	TX	LIC	SAN ANTONIO, TX	BLTTL20020122AAM	252.3
No	K28QF-D	D28	LD	LIC	SHERMAN, TX	BLANK00000154204	381.1
Yes	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK00000117686	125.7
No	KFDX-TV	D28	DT	LIC	WICHITA FALLS, TX	BLCDT20090205ABU	420.8
No	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK00000063643	232.5
No	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK00000116951	15.7
No	KDTN	D29	DT	LIC	DENTON, TX	BLANK00000168781	227.2
No	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK00000120825	132.5
No	KEHO-LD	D29	LD	LIC	HOUSTON, TX	BLANK00000193288	136.1
No	KHTX-LD	D29	LD	CP	HUNTSVILLE, TX	BLANK00000195652	76.7
No	KCTL-LD	D29	LD	CP	LIVINGSTON, TX	BLANK00000197266	114.7
No	KFXL-LD	D29	LD	LIC	LUFKIN, TX	BLDTL20121127ADL	165.1
No	KPTD-LP	D29	LD	LIC	PARIS, TX	BLANK00000152446	227.2
No	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK00000074877	244.4
No	K29OH-D	D29	LD	LIC	Victoria, TX	BLANK00000199542	204.2
No	DKHTX-LP	N30-	TX	APP	HUNTSVILLE, TX	BLTTL19980813JD	76.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Full Service
Latitude: 30 37 58.70 N (NAD83)
Longitude: 96 16 28.20 W
Height AMSL: 214.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSIILP0I8-28 205.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.06 kW	122.5 m	42.0 km
45.0	7.22	141.0	43.4
90.0	6.17	138.6	42.4
135.0	9.13	150.9	45.3
180.0	14.0	126.3	45.7
225.0	14.4	129.1	46.1
270.0	9.71	117.1	43.2
315.0	6.22	114.9	40.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 130 m

Distance to Canadian border: 1716.2 km

Distance to Mexican border: 457.0 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 204.2 degrees Distance: 387.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 324.9 degrees Distance: 1328.6 km

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%

---- Below is IX received by proposal BLANK0000116857 ----

Proposal receives 2.68% interference from scenario 1
Proposal receives 2.30% interference from scenario 2
No IX check failures found.