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Study build station data: LMS TV 2018-03-30

Proposal: KAXW-LD D35 LD LIC COLLEGE STATION, TX

File number: KAXW-DISP35

Facility ID: 52928

Station data: User record

Record ID: 686

Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KADF-LD	N20+	TX	LIC	AUSTIN, TX	BLTTL20071029AAN	121.7 km
No	K34FM-D	D34	LD	LIC	AUSTIN, TX	BLANK0000005051	121.7
Yes	KEYE-TV	D34	DT	CP	AUSTIN, TX	BLANK0000034391	121.8
No	K34FM-D	N34-	TX	LIC	AUSTIN, TX	BLTT20061002BGB	121.7
No	KTWC-LD	D34	LD	LIC	CROCKETT, TX	BLDTL20120628ABT	168.7
No	KJJM-LD	D34	LD	LIC	DALLAS & MESQUITE, TX	BLDTL20090319ABX	144.5
No	KIAH	D34	DT	CP	HOUSTON, TX	BLANK0000034047	256.8
No	KIAH	D34	DT	APP	HOUSTON, TX	BLANK0000035711	256.8
No	KSTR-DT	D34	DT	CP	IRVING, TX	BLANK0000034260	139.7
No	KLFI-CD	D35	DC	LIC	TEXARKANA, AR	BLANK0000008204	379.5
No	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	453.8
No	K35LO-D	D35	LD	CP	GERONIMO, OK	BNPDTL20100510AKV	364.6
Yes	KVAT-LD	D35	LD	LIC	AUSTIN, TX	BLANK0000033777	121.5
No	NEW	D35	LD	APP	BEAUMONT, TX	BNPDTL20090825AQW	336.3
No	K35KK-D	D35	LD	CP	CLYDE, TX	BNPDTL20100304AAX	243.8

Yes	KDFW	D35	DT LIC	DALLAS, TX	BLCDT20090508AAB	143.9
No	KHPF-CD	D35	DC CP	FREDERICKSBURG, TX	BLANK0000027634	194.7
Yes	KPRC-TV	D35	DT LIC	HOUSTON, TX	BLCDT19991022ABJ	256.8
No	K35LX-D	D35	LD CP	JUNCTION, TX	BNPDTL20100406ABS	254.6
No	KAXX-LD	D35	LD LIC	SAN ANTONIO, TX	BLANK0000029253	213.9
No	KIDB-LD	D35	LD LIC	SWEETWATER, TX	BLDTL20110408AAY	311.3
No	NEW	D35	LD APP	TYLER, TX	BNPDTT20091123AIY	217.8
No	K35ME-D	D35	LD CP	VICTORIA, TX	BNPDTL20090825APJ	282.1
No	KJBO-LP	N35	TX LIC	WICHITA FALLS, TX	BLTTL19900423JN	311.5
No	KFTH-DT	D36	DT LIC	ALVIN, TX	BLCDT20050527BEM	255.9
No	KTFO-CD	D36	DC LIC	AUSTIN, TX	BLDTA20100609AGZ	121.3
No	K36LD-D	D36	LD CP	COLLEGE STATION, TX	BNPDTL20100119AEB	113.6
No	KXTX-TV	D36	DT CP	DALLAS, TX	BLANK0000026888	144.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35

Mask: Full Service

Latitude: 31 18 45.30 N (NAD83)

Longitude: 97 15 26.80 W

Height AMSL: 311.5 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.75

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	105.7 m	43.6 km
45.0	15.0	141.4	46.4
90.0	15.0	171.3	48.4
135.0	15.0	149.2	46.9
180.0	15.0	117.2	44.7
225.0	15.0	90.7	41.9
270.0	15.0	79.3	40.3
315.0	15.0	106.6	43.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 120 m

Distance to Canadian border: 1721.6 km

Distance to Mexican border: 410.0 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 188.2 degrees    Distance: 434.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 326.0 degrees    Distance: 1213.3 km

Study cell size: 0.50 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 KAXW-DISP35 ----

Proposal receives 2.12% interference from scenario 1

No IX check failures found.