

Study created: 2019.11.19 10:04:20 JMc

Study build station data: LMS TV 2019-11-19

Proposal: KPKN-LD D35 LD STA TYLER, TX  
File number: BLANK0000081322  
Facility ID: 182593  
Station data: User record  
Record ID: 507  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Individual records excluded:  
20091123AIY NEW D35 LD APP \*P TYLER, TX BNPDTT20091123AIY

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KAQC-LP	N20+	TX	LIC	ATLANTA, TX	BLTTL20050817AAN	150.0 km
No	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDDT20050705AAB	141.9
No	KTWC-LD	D34	LD	LIC	CROCKETT, TX	BLDTL20120628ABT	107.9
No	KJJM-LD	D34	LD	LIC	DALLAS & MESQUITE, TX	BLDTL20090319ABX	154.8
No	KSTR-DT	D34	DT	CP	IRVING, TX	BLANK0000063075	152.6
No	KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	152.6
No	KVHP-LD	D34	LD	CP	JASPER, TX	BLANK0000054529	193.3
No	K35KU-D	D35	LD	CP	EL DORADO, AR	BNPDTL20100510ADD	274.7
No	KRAH-CD	D35	DC	CP	PARIS, AR	BLANK0000035644	383.4
No	KRAH-CD	D35	DC	LIC	PARIS, AR	BLDTA20130130AIO	369.3
No	KLFI-CD	D35	DC	LIC	TEXARKANA, AR	BLANK0000008204	176.8
No	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDDT20090924AAC	303.8
No	K35LO-D	D35	LD	CP	GERONIMO, OK	BNPDTL20100510AKV	372.6
No	KEGG-LP	N35+	TX	LIC	MCALESTER, OK	BLTT20051017ABG	302.1
No	KEGG-LD	D35	LD	CP	TULSA, OK	BLANK0000054185	389.3
No	KVAT-LD	D35	LD	LIC	AUSTIN, TX	BLANK0000033777	315.7
No	NEW	D35	LD	APP	BEAUMONT, TX	BNPDTL20090825AQW	270.7
No	K35PF-D	D35	LD	CP	BEAUMONT, TX	BLANK0000081611	270.7
Yes	KDFW	D35	DT	LIC	DALLAS, TX	BLCDDT20090508AAB	155.4
No	KPRC-TV	D35	DT	LIC	HOUSTON, TX	BLCDDT19991022ABJ	299.3
No	KAXW-LD	D35	LD	LIC	MULLIN, TX	BLANK0000068482	207.2
No	KAXX-LD	D35	LD	LIC	SAN ANTONIO, TX	BLANK0000029253	410.0
No	KJBO-LP	D35	LD	CP	WICHITA FALLS, TX	BLANK0000054871	347.2
No	KJBO-LP	N35	TX	LIC	WICHITA FALLS, TX	BLTTL19900423JN	347.2
No	KADO-CD	D36	DC	LIC	SHREVEPORT, LA	BLANK0000072191	152.7
No	K36LD-D	D36	LD	CP	COLLEGE STATION, TX	BNPDTL20100119AEB	201.6
No	KXTX-TV	D36	DT	LIC	DALLAS, TX	BLANK0000074968	154.5
No	KLGV-LD	D36	LD	LIC	LONGVIEW, TX	BLDTL20140325AGH	63.8
No	K36QA-D	D36	LD	CP	LUFKIN, TX	BLANK0000072175	124.1
Yes	KTPN-LD	D36	LD	CP	TYLER, TX	BLANK0000054451	14.7

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: 32 15 34.00 N (NAD83)  
Longitude: 95 22 4.00 W  
Height AMSL: 279.0 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: DIE-TUA-4-4 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.50

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	135.6 m	46.0 km
45.0	15.0	115.5	44.6
90.0	15.0	130.5	45.6
135.0	15.0	148.8	46.9
180.0	15.0	133.9	45.9
225.0	15.0	154.6	47.3
270.0	15.0	154.2	47.3
315.0	15.0	153.4	47.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 141 m

Distance to Canadian border: 1523.2 km

Distance to Mexican border: 616.8 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 205.0 degrees Distance: 587.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 317.5 degrees Distance: 1241.4 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%

----- Below is IX received by proposal BLANK0000081322 -----

Proposal receives 8.89% interference from scenario 1  
No IX check failures found.