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Study build station data: LMS TV 2021-10-23

Proposal: KTZT-CD D29 DC CP TULSA, OK
File number: BLANK0000036113
Facility ID: 8986
Station data: User record
Record ID: 1533
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	DK25GJ	N25+	TX	APP	MUSKOGEE, OK	BLTT20051206ADA	79.6 km
No	K28NT-D	D28z	LD	LIC	BENTONVILLE & ROGERS, AR	BLANK0000059138	148.5
No	KSCW-DT	D28	DT	APP	WICHITA, KS	BLANK0000158298	263.6
No	KWKD-LD	D28	LD	LIC	WICHITA, KS	BLANK0000153828	227.9
No	DKJPX-LP	D28+	LD	APP	JOPLIN, MO	BLANK0000054317	172.9
Yes	KTPX-TV	D28	DT	LIC	OKMULGEE, OK	BLCDT20020510AAQ	38.8
No	K28NV-D	D28	LD	LIC	PONCA CITY, OK	BLANK0000055256	114.6
No	K29NT-D	D29	LD	CP	FORT SMITH, AR	BLANK0000071941	172.9
No	KZTE-LD	D29	LD	CP	FULTON, AR	BLANK0000054183	350.7
No	KWMO-LD	D29	LD	LIC	HOT SPRINGS, AR	BLANK0000080611	350.1
Yes	KWOG	D29	DT	LIC	SPRINGDALE, AR	BLANK0000049027	150.9
No	K29OC-D	D29	LD	CP	CHAPMAN, KS	BLANK0000157115	327.1
No	KHDS-LD	D29	LD	LIC	SALINA, KS	BLANK0000059140	332.9
No	K29NL-D	D29	LD	LIC	WICHITA, KS	BLANK0000160616	225.1
No	KRCG	D29	DT	CP	JEFFERSON CITY, MO	BLANK0000145041	443.2
No	KRCG	D29	DT	BL	JEFFERSON CITY, MO	DTVBL41110	443.2
No	KJLN-LD	D29	LD	CP	Joplin, MO	BLANK0000143697	166.2
No	KJLN-LD	D29	LD	LIC	Joplin, MO	BLANK0000143105	156.7
No	KMBC-TV	D29	DT	LIC	KANSAS CITY, MO	BLANK0000153380	349.3
No	KSFZ-LD	D29+	LD	CP	Springfield, MO	BLANK0000130705	294.5
No	KSFZ-LD	D29+	LD	LIC	Springfield, MO	BLANK0000116832	305.0
No	K29LJ-D	D29	LD	LIC	ALTUS, OK	BLANK0000058447	349.6
Yes	KTUZ-TV	D29	DT	LIC	SHAWNEE, OK	BLCDT20081105ACO	151.3
No	K29HY-D	D29	LD	LIC	STRONG CITY, OK	BLDTT20100521AED	327.3
No	K29HZ-D	D29	LD	LIC	WOODWARD, ETC., OK	BLDTT20101007ABM	298.6
No	KDTN	D29	DT	LIC	DENTON, TX	BLANK0000080184	407.4

No	KPTD-LP	D29	LD	CP	PARIS, TX	BLANK0000059305	407.4
No	KPTD-LP	D29	LD	LIC	PARIS, TX	BLANK0000152446	407.4
No	KKAF-LD	D30	LD	LIC	FAYETTEVILLE, AR	BLANK0000062918	160.8
No	KSMI-LD	D30	LD	LIC	WICHITA, KS	BLANK0000011260	227.9
Yes	K30OK-D	D30	LD	LIC	TULSA, OK	BLANK0000080580	1.7
No	KOTV-DT	D30	LD	LIC	TULSA, OK	BLCDT20120817ACF	90.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Full Service
 Latitude: 36 9 46.00 N (NAD83)
 Longitude: 95 58 45.00 W
 Height AMSL: 344.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic
 Elec Tilt: 0.50

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	150.2 m	47.6 km
45.0	15.0	156.1	48.0
90.0	15.0	136.9	46.7
135.0	15.0	118.1	45.4
180.0	15.0	151.9	47.7
225.0	15.0	119.8	45.5
270.0	15.0	108.1	44.5
315.0	15.0	95.2	43.0

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

Distance to Canadian border: 1280.4 km

Distance to Mexican border: 871.6 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 338.8 degrees Distance: 570.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 301.3 degrees Distance: 919.4 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 BLANK0000036113 -----

Proposal receives 3.28% interference from scenario 1

No IX check failures found.