

Study created: 2017.09.04 14:02:46

Study build station data: LMS TV 2017-05-25 (3)

Proposal: K47KI-D D20 LD LIC DUNCAN, OK  
File number: BLDTT20091228AEH  
Facility ID: 50195  
Station data: User record  
Record ID: 339  
Country: U.S.

Stations potentially affected:

Call Distance	Chan	Svc	Status	City, State	File Number
K19AA-D 152.4 km	D19	LD	LIC	ALTUS, OK	BLDTT20091229ACU
K19II-D 54.2	D19	LD	LIC	ARDMORE, OK	BLDTL20140224ACB
K19II-D 92.7	D19	LD	CP	ARDMORE, OK	BPDTL20140624ABL
KUOT-CD 106.0	D19	DC	LIC	OKLAHOMA CITY, OK	BLDTA20130110ABI
KEGG-LD 210.7	D19	LD	LIC	TULSA, OK	BLDTL20130222ADJ
K23IY-D 151.4	D19	LD	LIC	WEATHERFORD, OK	BLANK0000001396
KTVT 220.6	D19	DT	LIC	FORT WORTH, TX	BLCDT20121115ABM
K19KE-D 87.5	D19	LD	CP	JOLLY, TX	BNPDTL20100510AGJ
KFLU-LD 370.1	D20	LD	LIC	FORT SMITH, AR	BLANK0000008907
K20JD-D 273.0	D20	LD	LIC	CHEROKEE & ALVA, OK	BLDTT20101007ABH
K20BR-D 292.0	D20	LD	LIC	GAGE, ETC., OK	BLDTT20101007ACE
K20JB-D 197.3	D20	LD	LIC	HOLLIS, OK	BLDTT20100802AZJ
KQCW-DT 225.3	D20	DT	LIC	MUSKOGEE, OK	BMLCDT20130823ACR
KDAX-LD 390.8	D20	LD	CP	AMARILLO, TX	BDCCDTL20081215AAW
KAQC-LP 348.5	N20+	TX	LIC	ATLANTA, TX	BLTTL20050817AAN
KBOP-LD 215.5	D20	LD	LIC	DALLAS-FT WORTH, TX	BLDTL20110120ACW
KFIQ-LP 398.6	D20	LD	CP	LUBBOCK, TX	BDISDTL20090630AAZ
K20KS-D 283.8	D20	LD	CP	MCCLEAN, TX	BNPDTL20100406ACO
KTXS-TV 317.6	D20	DT	LIC	SWEETWATER, TX	BLCDT20080815ABJ

KTXS-TV	D20	DT	CP	SWEETWATER, TX	BPCDT20110801ALU
317.6					
K20DN-D	D20	DC	LIC	WICHITA FALLS, TX	BLANK0000001589
100.5					
K20LC-D	D20	LD	CP	WICHITA FALLS, TX	BNPDTL20090825BQN
100.5					
KTOU-LD	D21	LD	LIC	OKLAHOMA CITY, OK	BLDTL20110519AAQ
107.3					
K21IT-D	D21	LD	LIC	WEATHERFORD, OK	BLDTT20100225ABG
151.4					
K21KJ-D	D21	LD	LIC	MINERAL WELLS, TX	BLDTL20140612AAS
188.6					

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: 34 26 1.00 N (NAD83)  
 Longitude: 97 41 7.00 W  
 Height AMSL: 509.4 m  
 HAAT: 0.0 m  
 Peak ERP: 10.0 kW  
 Antenna: Omnidirectional

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	182.5 m	48.7 km
45.0	10.0	201.8	49.8
90.0	10.0	188.5	49.0
135.0	10.0	171.1	48.0
180.0	10.0	211.7	50.3
225.0	10.0	208.4	50.1
270.0	10.0	186.2	48.9
315.0	10.0	178.3	48.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 191 m

Distance to Canadian border: 1518.0 km

Distance to Mexican border: 625.2 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 355.0 degrees    Distance: 724.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 315.7 degrees    Distance: 918.0 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.