

Study created: 2021.11.15 14:29:48 JMc

Study build station data: LMS TV 2021-11-15

Proposal: KJNM-LD D20 LD CP FAYETTEVILLE, AR
File number: BLANK00000157778
Facility ID: 184462
Station data: User record
Record ID: 1301
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	KUFS-LD	D19+	LD	LIC	FORT SMITH, AR	BLANK0000067178	134.9 km
Yes	K19MT-D	D19	LD	CP	SPRINGDALE, AR	BLANK0000071784	3.2
Yes	KYTV	D19	DT	LIC	SPRINGFIELD, MO	BLANK0000073156	150.4
No	KEGG-LD	D19	LD	LIC	TULSA, OK	BLDTL20130222ADJ	178.5
No	K200C-D	D20	LD	LIC	EL DORADO, AR	BLANK0000084798	354.6
No	K200L-D	D20	LD	LIC	FORT SMITH, AR	BLANK0000151265	85.2
No	K200L-D	D20	LD	CP	FORT SMITH, AR	BLANK0000151578	85.2
No	KTEJ	D20	DT	LIC	JONESBORO, AR	BLEDT20110818AAQ	299.5
No	KLRA-CD	D20	DC	LIC	LITTLE ROCK, AR	BLANK0000004217	210.4
No	KTMJ-CD	D20	DC	LIC	TOPEKA, KS	BLANK0000122285	355.1
No	KBXS-CD	D20	DC	LIC	SHREVEPORT, LA	BLANK0000071739	413.0
No	KNLJ	D20	DT	LIC	JEFFERSON CITY, MO	BLCDT20110121ACA	331.2
No	W20DW-D	D20	LD	APP	CLARKSDALE, MS	BLANK0000168111	362.7
No	K200H-D	D20	LD	LIC	ARDMORE, OK	BLANK0000164559	343.3
No	K20MH-D	D20	LD	LIC	DUNCAN, OK	BLANK0000072559	379.8
Yes	KQCW-DT	D20	DT	CP	MUSKOGEE, OK	BLANK0000035925	143.9
No	KQCW-DT	D20	DT	LIC	MUSKOGEE, OK	BMLCDT20130823ACR	161.8
No	KBZC-LD	D20	LD	LIC	Oklahoma city, OK	BLANK0000112197	313.3
No	KFXK-TV	D20	DT	LIC	LONGVIEW, TX	BLANK0000071623	442.9
Yes	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDT20031121AMR	134.4
No	K21JS	N21	TX	LIC	HARRISON, AR	BLTTL20111121DXG	77.8
No	K21JS	D21	LD	CP	HARRISON, AR	BDFCDTL20091204AEC	77.8
No	KKYK-CD	D21	DC	LIC	LITTLE ROCK, AR	BLANK0000062774	210.4
No	K21PG-D	D21	LD	CP	GALENA, KS	BLANK0000153760	124.7
No	KGCS-LD	D21	LD	LIC	JOPLIN, MO	BLANK0000078095	110.8
No	KRFT-LD	D21	LD	LIC	SPRINGFIELD, MO	BLANK0000156037	137.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20
Mask: Stringent
Latitude: 36 10 48.00 N (NAD83)
Longitude: 94 5 7.00 W
Height AMSL: 540.0 m
HAAT: 0.0 m
Peak ERP: 1.65 kW
Antenna: DIE-TUA-M array 0.0 deg
Elev Pattern: Generic

Elec Tilt: 0.75

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.09 kW	135.3 m	34.3 km
45.0	1.54	148.3	36.9
90.0	1.18	139.3	34.9
135.0	1.64	157.7	37.8
180.0	0.795	144.3	33.2
225.0	0.037	158.5	18.6
270.0	0.003	141.8	9.5
315.0	0.088	140.2	21.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 146 m

Distance to Canadian border: 1140.5 km

Distance to Mexican border: 985.6 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 325.7 degrees Distance: 648.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 297.6 degrees Distance: 1066.6 km

No land mobile station failures found

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 BLANK0000157778 -----

Proposal receives 14.49% interference from scenario 1

Proposal receives 14.17% interference from scenario 2

No IX check failures found.