

Study created: 2022.01.24 10:47:17 JMc

Study build station data: LMS TV 2022-01-24

Proposal: KJNM-LD D20 LD LIC FAYETTEVILLE, AR
File number: BLANK00000179335
Facility ID: 184462
Station data: User record
Record ID: 1336
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	BLANK00000172336	150.4
No	K200C-D	D20	LD	LIC	EL DORADO, AR	BLANK0000084798	354.6
No	K200L-D	D20	LD	LIC	FORT SMITH, AR	BLANK00000151265	85.2
No	K200L-D	D20	LD	CP	FORT SMITH, AR	BLANK00000151578	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	BLANK00000122285	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	CP	CLARKSDALE, MS	BLANK00000168111	362.7
No	K200H-D	D20	LD	CP	ARDMORE, OK	BLANK00000168880	343.3
No	K200H-D	D20	LD	LIC	ARDMORE, OK	BLANK00000164559	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	BLANK00000112197	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	BLANK00000153760	124.7
No	KGCS-LD	D21	LD	LIC	JOPLIN, MO	BLANK0000078095	110.8
No	KRFT-LD	D21	LD	LIC	SPRINGFIELD, MO	BLANK00000156037	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: Full Service
Latitude: 36 10 48.00 N (NAD83)
Longitude: 94 5 7.00 W
Height AMSL: 518.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSILP8JNM-20 90.0 deg
Elev Pattnr: Generic

Elec Tilt: 0.75

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.51 kW	113.3 m	43.2 km
45.0	14.5	126.3	46.8
90.0	10.7	117.3	44.7
135.0	14.5	135.7	47.5
180.0	8.51	122.3	43.9
225.0	0.542	136.5	30.7
270.0	0.029	119.8	15.2
315.0	0.542	118.2	29.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 124 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 BLANK0000179335 ----

Proposal receives 4.78% interference from scenario 1

Proposal receives 4.14% interference from scenario 2

Proposal receives 4.78% interference from scenario 3

Proposal receives 4.14% interference from scenario 4

No IX check failures found.