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Study build station data: LMS TV 2021-03-24

Proposal: K220C-D D22 DC LIC FORT SMITH, AR
File number: BLANK0000071940
Facility ID: 188053
Station data: User record
Record ID: 1163
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
Yes	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDT20031121AMR	50.6 km
No	K21JS	N21	TX	LIC	HARRISON, AR	BLTTL20111121DXG	135.8
No	K21JS	D21	LD	CP	HARRISON, AR	BDFCDTL20091204AEC	135.8
No	KKYK-CD	D21	DC	LIC	LITTLE ROCK, AR	BLANK0000062774	184.6
No	KGCS-LD	D21	LD	LIC	JOPLIN, MO	BLANK0000078095	184.3
No	KRFT-LD	D21	LD	CP	SPRINGFIELD, MO	BLANK0000131021	221.4
No	K22HS-D	D22	LD	LIC	EUREKA SPRINGS, AR	BLDTL20110517ADA	115.7
No	KJNE-LD	D22z	LD	LIC	JONESBORO, AR	BLANK0000055090	336.9
Yes	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	185.3
No	K22KX-D	D22	LD	CP	EMPORIA, KS	BNPDTL20100930ARN	368.6
No	KMJC-LD	D22	LD	LIC	Kansas City, KS	BLANK0000016622	349.6
No	KMCT-TV	D22	DT	LIC	WEST MONROE, LA	BLANK0000063151	385.5
No	KRBK	D22	DT	LIC	OSAGE BEACH, MO	BLANK0000063419	234.2
No	W22EO-D	D22	LD	CP	GREENVILLE, MS	BNPDTL20101018ACV	379.7
No	WEBU-LP	D22+	LD	CP	WEBB, MS	BLANK0000054535	418.8
No	K22JQ-D	D22	LD	CP	ARDMORE, OK	BLANK0000072056	272.4
No	K22JQ-D	D22	LD	LIC	ARDMORE, OK	BLDTL20140224ACC	286.6
No	K23HY-D	D22	LD	LIC	IDABEL, OK	BLANK0000059597	178.0
No	KTOU-LD	D22	LD	CP	OKLAHOMA CITY, OK	BLANK0000051682	283.9
No	K220D-D	D22	LD	CP	PONCA CITY, OK	BLANK0000071812	315.7
Yes	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDT20021127AGL	134.9
No	WDNM-LD	D22	LD	CP	MEMPHIS, TN	BLANK0000051813	407.6
No	KNAV-LD	D22	LD	LIC	DALLAS, TX	BLANK0000120153	398.1
No	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	386.5
No	KAUZ-TV	D22	DT	LIC	WICHITA FALLS, TX	BLCDT20090724ACR	418.4
No	K23OW-D	D23	LD	LIC	HOT SPRINGS, AR	BLANK0000087667	168.9
No	KJEP-LP	N23-	TX	LIC	NASHVILLE, AR	BLTTL19960111AE	171.8
No	KODE-TV	D23	DT	LIC	JOPLIN, MO	BLANK0000071606	181.8
No	KTU0-LD	D23	LD	LIC	TULSA, OK	BLANK0000120403	120.8
No	KTU0-LD	D23	LD	CP	TULSA, OK	BLANK0000130319	165.8
No	K25GJ	N25+	TX	LIC	MUSKOGEE, OK	BLTT20051206ADA	89.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 35 26 51.30 N (NAD83)
Longitude: 94 21 54.80 W

Height AMSL: 294.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SWR-SWED80I (ID 1004468) 180.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.73 kW	56.0 m	34.0 km
45.0	5.58	110.3	40.6
90.0	6.53	158.2	44.7
135.0	11.9	172.3	48.7
180.0	15.0	154.7	48.7
225.0	11.9	167.6	48.4
270.0	6.53	118.2	42.0
315.0	5.58	132.1	42.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 134 m

Distance to Canadian border: 1210.7 km

Distance to Mexican border: 911.6 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 331.0 degrees Distance: 704.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.8 degrees Distance: 1085.0 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 BLANK0000071940 ----

Proposal receives 7.29% interference from scenario 1
No IX check failures found.