

K34QO-D FI 184602  
Springdale, AR

Minor Change: Amendment increase ERP to 200 watts  
Controlled access site, no new construction.

Study created: 2022.07.25 16:25:42

Study build station data: LMS TV 2022-07-24

Proposal: K34QO-D D34 LD CP SPRINGDALE, AR  
File number: ASR 1040849 @ 175  
Facility ID: 184602  
Station data: User record  
Record ID: 284  
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	KHMF-LD	D33+	LD	LIC	FORT SMITH, AR	BLANK0000116534	91.3 km
No	KNWA-TV	D33	DT	LIC	ROGERS, AR	BLANK0000106176	19.0
No	KUOC-LD	D33	LD	LIC	ENID, OK	BLANK0000157473	174.8
Yes	KSJF-CD	D34	DC	LIC	FORT SMITH, AR	BLANK0000116533	91.3
No	KASN	D34	DT	LIC	PINE BLUFF, AR	BLANK0000073008	271.9
No	WQEC	D34	DT	CP	QUINCY, IL	BLANK0000035763	475.4
No	WQEC	D34	DT	LIC	QUINCY, IL	BLEDT20040715ADL	475.4
No	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLANK0000192923	406.9
No	K41KX-D	D34	LD	CP	JOPLIN, MO	BLANK0000058756	84.1
No	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLANK0000155694	308.2
No	KSPR-LD	D34	LD	LIC	SPRINGFIELD, MO	BLANK0000108532	142.3
No	KCYH-LD	D34	LD	LIC	ARDMORE, OK	BLANK0000068523	365.8
No	K34ML-D	D34	LD	CP	MC ALESTER, OK	BLANK0000193303	228.8
No	KWRW-LD	D34+	LD	LIC	OKLAHOMA CITY, OK	BLANK0000143117	310.2
No	KWRW-LD	D34+	LD	CP	OKLAHOMA CITY, OK	BLANK0000143732	313.1
Yes	KMYT-TV	D34	DT	LIC	TULSA, OK	BLANK0000067647	142.4
No	WFBI-LD	D34	LD	LIC	SOUTH EAST MEMPHIS, TN	BLANK0000156902	408.6
Yes	KFLU-LD	D35	LD	LIC	Fayetteville, AR	BLANK0000112149	20.1
No	KRAH-CD	D35	DC	LIC	PARIS, AR	BLANK0000127224	145.3
No	KOZJ	D35	DT	LIC	JOPLIN, MO	BLANK0000059543	91.1
No	KEGG-LD	D35	LD	LIC	TULSA, OK	BLANK0000162802	179.3
No	KSPZ-LD	N41+	TX	LIC	Springfield, MO	BLTT20020502AAT	155.4

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:  
KURM 790 L DAN D ROGERS, AR BL19850122AA  
KURM 790 L DAN N ROGERS, AR BL19840912AE

Record parameters as studied:

Channel: D34  
Mask: Simple  
Latitude: 36 19 23.90 N (NAD83)  
Longitude: 94 8 8.00 W  
Height AMSL: 435.5 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.200 kW  
Antenna: SAMCO160 175.0 deg  
Elev Pattnr: Generic

50.7 dBu contour:  
Azimuth ERP HAAT Distance

0.0 deg	0.009 kW	48.4 m	6.8 km
45.0	0.006	32.2	5.1
90.0	0.001	40.0	3.8
135.0	0.076	64.7	13.1
180.0	0.194	33.5	11.8
225.0	0.043	54.5	10.6
270.0	0.001	52.1	4.3
315.0	0.006	50.3	6.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 47 m

Distance to Canadian border: 1134.6 km

Distance to Mexican border: 993.6 km

Conditions at FCC monitoring station: Grand Island NE  
Bearing: 325.2 degrees    Distance: 632.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 296.9 degrees    Distance: 1055.3 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 ASR 1040849 @ 175 ----

Proposal receives 23.97% interference from scenario 1  
No IX check failures found.

## TULSA

Latitude: 36-09-12 N  
Longitude: 095-59-34 W  
ERP: 10.00 kW  
Channel: 2  
Frequency: 57.0 MHz  
AMSL Height: 100.0 m  
Elevation: 0.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: Longley-Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 311.0  
Receiver Ht AG: 10.0 m  
Receiver Gain: 0 dB  
Time Variability: 50.0%  
Sit. Variability: 50.0%  
ITM Mode: Broadcast

Line of Sight

