Study created: 2021.09.01 18:31:27 Jmc

Study build station data: LMS TV 2021-09-01

```
    Proposal: K36MT-D D36 LD CP PARAGOULD, AR
 File number: BLANK0000036211
 Facility ID: 188803
Station data: User record
   Record ID: 1231
     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
Yes	K35LN-D	D35	LD	CP	PARAGOULD, AR	BNPDTL20101020AAL	0.1 km
No	KSDK	D35	DT	LIC	ST. LOUIS, MO	BLCDT19991202ABM	257.3
No	WBBJ-TV	D35	DT	LIC	JACKSON, TN	BLANK0000116047	169.1
No	WSES	D36	DT	LIC	TUSCALOOSA, AL	BLANK0000123837	411.0
No	KFFS-CD	D36	DC	LIC	FAYETTEVILLE, AR	BLANK0000055356	338.9
No	KKAP	D36	DT	LIC	LITTLE ROCK, AR	BLEDT20090522AFW	248.4
No	K36MU-D	D36	LD	CP	TEXARKANA, AR	BLANK0000138315	421.1
No	W36EX-D	D36	DC	LIC	ALTON, IL	BLANK0000132189	297.5
No	WMEC	D36	DT	LIC	MACOMB, IL	BLANK0000113434	461.5
No	DW08DP	D36	LD	APP	SPRINGFIELD, IL	BDISDTA20060630AHG	403.7
No	WCCU	D36	DT	LIC	URBANA, IL	BLANK0000099910	476.9
No	WEIN-LD	D36	LD	CP	EVANSVILLE, IN	BLANK0000138319	317.6
No	WAVE	D36	DT	LIC	LOUISVILLE, KY	BLANK0000089043	468.2
No	KBNS-CD	D36	DC	LIC	BRANSON, MO	BLDTL20100315ADB	251.9
No	KBSI	D36	DT	LIC	CAPE GIRARDEAU, MO	BLANK0000115700	148.7
No	K36LJ-D	D36	LD	CP	JEFFERSON CITY, MO	BLANK0000001283	327.3
No	K36II-D	D36	LD	LIC	JOPLIN, MO	BLDTL20101022ACG	371.6
No	KSHB-TV	D36	DT	LIC	KANSAS CITY, MO	BLANK0000153577	472.6
No	K36NJ-D	D36	LD	LIC	MONETT, MO	BLANK0000058924	322.6
No	KPTN-LD	D36	DC	LIC	ST. LOUIS, MO	BLDTA20111003APE	258.0
No	K38HE-D	D36	LD	LIC	WEST PLAINS, MO	BLANK0000059299	141.1
No	W36EV-D	D36	LD	CP	GREENVILLE, MS	BLANK0000036201	322.2
No	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	227.4
No	W36EM-D	D36	LD	CP	STARKVILLE, MS	BNPDTL20100728ACE	344.2
No	WLOO	D36	DT	LIC	VICKSBURG, MS	BLANK0000063959	449.1
No	WTVF	D36	DT	LIC	NASHVILLE, TN	BLANK0000090378	324.7
No	WTVF	D36	DT	LIC	NASHVILLE, TN	BLANK0000115766	324.7
No	K27OY-D	N39+	TX	LIC	MEMPHIS, TN	BLTT19930329IE	60.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D36
       Mask: Simple
   Latitude:  36 15 15.10 N (NAD83)
  Longitude:  90 24 39.49 W
Height AMSL: 183.0 m
       HAAT: 0.0 m
   Peak ERP: 1.89 kW
```

Antenna: SIRA UTV01 213.0 deg
Elev Pattrn: Generic

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	75.1 m	6.1 km
45.0	0.016	58.8	8.5
90.0	0.001	97.4	6.0
135.0	0.034	101.8	13.2
180.0	1.12	94.0	29.1
225.0	1.77	62.7	27.1
270.0	0.308	92.3	22.1
315.0	0.001	92.3	5.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 84 m

Distance to Canadian border: 888.3 km

Distance to Mexican border: 1243.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 115.5 degrees Distance: 581.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.9 degrees Distance: 1361.7 km

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 BLANK0000036211 ----

Proposal receives 9.36% interference from scenario 1
No IX check failures found.