

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: K36MU\_MOD, Model: Longley-Rice  
Start: 2021.09.12 20:17:58

Study created: 2021.09.12 20:17:57

Study build station data: LMS TV 2021-09-12

Proposal: K36MU-D D36 LD APP TEXARKANA, AR  
File number: K36MU\_MOD  
Facility ID: 188811  
Station data: User record  
Record ID: 731  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K35PN-D	D35	LD	CP	EL DORADO, AR	BLANK0000155958	137.9 km
No	KRAH-CD	D35	DC	LIC	PARIS, AR	BLANK0000127224	183.7
Yes	KLFI-CD	D35	DC	LIC	TEXARKANA, AR	BLANK0000008204	38.8
No	KPKN-LD	D35	LD	LIC	TYLER, TX	BLANK0000157802	183.7
No	KLMB-CD	D36z	DC	LIC	EL DORADO, AR	BLANK0000146580	110.7
No	KFFS-CD	D36	DC	LIC	FAYETTEVILLE, AR	BLANK0000055356	283.5
Yes	KKAP	D36	DT	LIC	LITTLE ROCK, AR	BLDTE20090522AFW	173.4
No	KBTR-CD	D36	DC	LIC	BATON ROUGE, LA	BLANK0000107947	428.5
No	K36QM-D	D36	LD	CP	IOWA, LA	BLANK0000157652	365.4
No	KADO-CD	D36	DC	LIC	SHREVEPORT, LA	BLANK0000072191	125.7
No	KBNS-CD	D36	DC	LIC	BRANSON, MO	BLDTE20100315ADB	349.2
No	K36II-D	D36	LD	LIC	JOPLIN, MO	BLDTE20101022ACG	379.2
No	K36NJ-D	D36	LD	LIC	MONETT, MO	BLANK0000058924	368.7
No	K38HE-D	D36	LD	LIC	WEST PLAINS, MO	BLANK0000059299	386.9
No	W36EV-D	D36	LD	CP	GREENVILLE, MS	BLANK0000036201	254.0
No	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLDTE20090612AAK	379.0
No	WLOO	D36	DT	LIC	VICKSBURG, MS	BLANK0000063959	350.0
No	K36KE-D	D36	LD	LIC	ARDMORE, OK	BLDTE20130911ABZ	321.6
No	KDOR-TV	D36	DT	LIC	BARTLESVILLE, OK	BLANK0000067842	370.9
No	KUIL-LD	D36	LD	LIC	BEAUMONT, TX	BLANK0000016333	381.9
No	K36LD-D	D36	LD	CP	COLLEGE STATION, TX	BLANK0000150158	413.2
No	KXTX-TV	D36	DT	LIC	DALLAS, TX	BLANK0000074968	322.2
No	KLGV-LD	D36	LD	LIC	LONGVIEW, TX	BLDTE20140325AGH	159.8
No	K36QA-D	D36	LD	CP	LUFKIN, TX	BLANK0000072175	276.8
No	KTPN-LD	D36	LD	LIC	TYLER, TX	BLANK0000137694	200.2

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: Stringent  
Latitude: 33 37 25.40 N (NAD83)  
Longitude: 93 44 13.60 W  
Height AMSL: 180.4 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: ATC BCC312M-V3-36 235.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.75

50.9 dBu contour:  
Azimuth ERP HAAT Distance  
0.0 deg 6.22 kW 66.2 m 33.9 km

45.0	7.46	88.4	38.0
90.0	6.72	86.5	37.2
135.0	6.59	78.5	36.0
180.0	10.9	102.9	41.7
225.0	14.9	103.2	43.2
270.0	13.1	99.0	42.1
315.0	8.08	78.0	36.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 88 m

Distance to Canadian border: 1308.7 km

Distance to Mexican border: 827.3 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 211.1 degrees    Distance: 793.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 308.6 degrees    Distance: 1249.1 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%

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Interference to BLANK0000008204 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLFI-CD	D35	DC	LIC	TEXARKANA, AR	BLANK0000008204	
Undesireds:	K36MU-D	D36	LD	APP	TEXARKANA, AR	K36MU_MOD	38.8 km
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	86.1
	KALB-TV	D35	DT	LIC	ALEXANDRIA, LA	BLCDT20090924AAC	305.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5477.0	156,499	5474.0	156,499	5369.3	153,408	5274.2    153,139	1.77    0.18
Undesired		Total IX		Unique IX, before		Unique IX, after	
K36MU-D	D36 LD APP	95.1	269	95.1	269	95.1    269	
KMSS-TV	D34 DT LIC	104.7	3,091	103.7	2,984	103.7    2,984	
KALB-TV	D35 DT LIC	1.0	107	0.0	0	0.0    0	

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Interference to BLEDT20090522AFW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKAP	D36	DT	LIC	LITTLE ROCK, AR	BLEDT20090522AFW	
Undesireds:	K36MU-D	D36	LD	APP	TEXARKANA, AR	K36MU_MOD	173.4 km
	KRAH-CD	D35	DC	LIC	PARIS, AR	BLANK0000127224	84.0
	WMAV-TV	D36	DT	LIC	OXFORD, MS	BLEDT20090612AAK	261.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18330.5	955,951	17333.6	921,995	17166.0	916,852	17156.9    916,752	0.05    0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
K36MU-D	D36 LD APP	10.1	100	9.1	100	9.1    100	
KRAH-CD	D35 DC LIC	147.7	4,605	147.7	4,605	147.7    4,605	
WMAV-TV	D36 DT LIC	19.9	538	19.9	538	18.9    538	

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Interference to proposal scenario 1

8.11% interference received

Desired:	Call K36MU-D	Chan D36	Svc LD	Status APP	City, State TEXARKANA, AR	File Number K36MU_MOD	Distance
Undesireds:	KLFI-CD	D35	DC	LIC	TEXARKANA, AR	BLANK0000008204	38.8 km
	KADO-CD	D36	DC	LIC	SHREVEPORT, LA	BLANK0000072191	125.7

	Service area		Terrain-limited		IX-free		Percent IX
4777.3	132,385	4772.4	132,385	4727.7	121,651	0.94	8.11
Undesired			Total IX		Unique IX	Prcnt	Unique IX
KLFI-CD D35 DC LIC		28.8	10,008	26.8	9,929	0.56	7.50
KADO-CD D36 DC LIC		17.9	805	15.9	726	0.33	0.55