TV Study – Proposed Allocation

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tvstudy v2.2.5 (4uoc83)
Database: 127.0.0.1,  Study: GM - 0.85kW - 1x0.1 - FS - LPTV,  Model: Longley-Rice
Start: 2020.08.11 16:19:26

Study created: 2020.08.11 16:19:25

Study build station data: LMS TV 2020-08-11

    Proposal: NEW-GM D11 LD APP Gaither Mountain, AR
 File number: Proposed
 Facility ID: 0
Station data: User record
   Record ID: 57
     Country: U.S.
        Zone: II

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	KXMP-LP	N8+	TX	LIC	HARRISON, AR	BLTVL20090729ABO	5.2 km
Yes	KOLR	D10	DT	LIC	SPRINGFIELD, MO	BLCDT20090810ACN	119.8
No	KTUL	D10	DT	CP	TULSA, OK	BLANK0000035654	213.7
No	KTUL	D10	DT	LIC	TULSA, OK	BLCDT20100505AGI	213.7
No	KTEQ-LP	N11-	TX	LIC	FULTON, AR	BLTVL20071217AAO	288.8
No	KTWU	D11	DT	LIC	TOPEKA, KS	BLEDT20090917AAW	390.5
No	KMLU	D11	DT	LIC	COLUMBIA, LA	BLCDT20121106AAT	454.6
No	KFVS-TV	D11	DT	LIC	CAPE GIRARDEAU, MO	BLANK0000115816	361.6
No	WTVA	D11	DT	LIC	TUPELO, MS	BLANK0000117299	461.8
No	WEBU-LP	N11+	TX	LIC	WEBB, MS	BLTVL19880822IF	362.0
Yes	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	218.5
No	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	353.2
No	K11WJ	N11z	TX	LIC	PARIS, TX	BLTVL20110825ABY	358.3
Yes	K22HS-D	D12	LD	CP	EUREKA SPRINGS, AR	BLANK0000051803	49.5
No	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	166.7
No	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	243.2

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No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D11
       Mask: Full Service
   Latitude:  36 10  9.00 N (NAD83)
  Longitude:  93 14 59.00 W
Height AMSL: 803.2 m
       HAAT: 326.0 m
   Peak ERP: 0.850 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 0.50
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48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.850 kW	342.8 m	55.7 km
45.0	0.850	367.0	57.3
90.0	0.850	419.9	59.9
135.0	0.850	381.3	58.1
180.0	0.850	316.9	54.1
225.0	0.850	157.6	44.2
270.0	0.850	287.5	52.4
315.0	0.850	334.9	55.2

Distance to Canadian border: 1082.1 km

Distance to Mexican border: 1040.1 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 321.2 degrees Distance: 693.9 km

Proposal is not within the West Virginia quiet zone area

TV Study – Proposed Allocation

Conditions at Table Mountain receiving zone:
Bearing: 296.4 degrees Distance: 1133.9 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%

Interference to BLCDT20090810ACN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOLR	D10	DT	LIC	SPRINGFIELD, MO	BLCDT20090810ACN	
Undesireds:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	119.8 km
	KAFT	D9	DT	LIC	FAYETTEVILLE, AR	BLEDT20100308ACN	183.5
	WGEM-TV	D10	DT	LIC	QUINCY, IL	BLANK0000105998	334.6
	KAKE	D10	DT	LIC	WICHITA, KS	BLCDT20090410ABG	407.7
	KTUL	D10	DT	CP	TULSA, OK	BLANK0000035654	275.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
47392.6	1,076,536	46220.2	1,051,164	45665.0	1,037,169	45597.3	1,032,834	0.15	0.42

Undesired	Total IX		Unique IX, before		Unique IX, after	
NEW-GM D11 LD APP	68.6	4,344			67.6	4,335
KAFT D9 DT LIC	9.1	76	6.0	59	6.0	59
WGEM-TV D10 DT LIC	77.8	1,776	77.8	1,776	77.8	1,776
KAKE D10 DT LIC	35.0	544	3.0	15	3.0	15
KTUL D10 DT CP	468.4	12,145	433.4	11,599	432.4	11,590

Interference to BLCDT20090810ACN LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOLR	D10	DT	LIC	SPRINGFIELD, MO	BLCDT20090810ACN	
Undesireds:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	119.8 km

TV Study – Proposed Allocation

	KAFT	D9	DT	LIC	FAYETTEVILLE, AR	BLEDT20100308ACN	183.5
	WGEM-TV	D10	DT	LIC	QUINCY, IL	BLANK0000105998	334.6
	KAKE	D10	DT	LIC	WICHITA, KS	BLCDT20090410ABG	407.7
	KTUL	D10	DT	LIC	TULSA, OK	BLCDT20100505AGI	275.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
47392.6	1,076,536	46220.2	1,051,164	45867.7	1,042,892	45799.0	1,038,548	0.15	0.42

Undesired		Total IX		Unique IX, before		Unique IX, after	
NEW-GM D11 LD APP	68.6	4,344				68.6	4,344
KAFT D9 DT LIC	9.1	76	6.0	59		6.0	59
WGEM-TV D10 DT LIC	77.8	1,776	77.8	1,776		77.8	1,776
KAKE D10 DT LIC	35.0	544	3.0	15		3.0	15
KTUL D10 DT LIC	265.7	6,422	230.7	5,876		230.7	5,876

Interference to BLEDT20120419ABK LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	
Undesireds:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	218.5 km
	KTUL	D10	DT	CP	TULSA, OK	BLANK0000035654	7.9
	KTWU	D11	DT	LIC	TOPEKA, KS	BLEDT20090917AAW	338.3
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	341.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
46832.4	1,503,307	44399.1	1,458,170	43652.4	1,449,429	43544.6	1,445,137	0.25	0.30

Undesired		Total IX		Unique IX, before		Unique IX, after	
NEW-GM D11 LD APP	108.8	4,292				107.8	4,292
KTUL D10 DT CP	6.0	33	6.0	33		6.0	33
KTWU D11 DT LIC	198.8	1,987	198.8	1,987		197.8	1,987
KSWO-TV D11 DT LIC	541.9	6,721	541.9	6,721		541.9	6,721

Interference to BLEDT20120419ABK LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	

TV Study – Proposed Allocation

Undesireds:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	218.5 km
	KTUL	D10	DT	LIC	TULSA, OK	BLCDT20100505AGI	7.9
	KTWU	D11	DT	LIC	TOPEKA, KS	BLEDT20090917AAW	338.3
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	341.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
46832.4	1,503,307	44399.1	1,458,170	43657.4	1,449,462	43549.6	1,445,170	0.25	0.30

Undesired	Total IX		Unique IX, before		Unique IX, after	
NEW-GM D11 LD APP	108.8	4,292			107.8	4,292
KTUL D10 DT LIC	1.0	0	1.0	0	1.0	0
KTWU D11 DT LIC	198.8	1,987	198.8	1,987	197.8	1,987
KSWO-TV D11 DT LIC	541.9	6,721	541.9	6,721	541.9	6,721

Interference to BLANK0000051803 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K22HS-D	D12	LD	CP	EUREKA SPRINGS, AR	BLANK0000051803	
Undesireds:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	49.5 km
	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	207.0
	KRCG	D12	DT	CP	JEFFERSON CITY, MO	BLANK0000035648	297.2
	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	200.9
	KFJX	D13	DT	LIC	PITTSBURG, KS	BLCDT20110906AFG	128.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8166.9	405,656	7661.3	362,539	7625.2	361,817	7622.2	361,766	0.04	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
NEW-GM D11 LD APP	3.0	51			3.0	51
KTHV D12 DT LIC	33.1	331	31.1	324	31.1	324
KGEB D12 DT LIC	5.0	398	3.0	391	3.0	391

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW-GM	D11	LD	APP	Gaither Mountain, AR	Proposed	

TV Study – Proposed Allocation

Undesireds:	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	218.5 km
	K22HS-D	D12	LD	CP	EUREKA SPRINGS, AR	BLANK0000051803	49.5

Service area		Terrain-limited		IX-free		Percent IX	
9520.6	135,553	8768.9	125,268	8743.7	124,924	0.29	0.27

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KOED-TV D11 DT LIC	11.1	82	11.1	82	0.13	0.07
K22HS-D D12 LD CP	14.1	262	14.1	262	0.16	0.21