

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: K27MV_FSM, Model: Longley-Rice
 Start: 2018.08.09 12:50:05

Study created: 2018.08.09 12:50:05

Study build station data: LMS TV 2018-07-20

Proposal: K46AI-D D27 LD APP DURANT, OK
 File number: K27MV_FSM
 Facility ID: 50200
 Station data: User record
 Record ID: 441
 Country: U.S.

Search options:
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State
	File Number			Distance	
No	KSWX-LP	D26-	LD	APP	DUNCAN, OK
	BLANK0000054102			154.5 km	
No	KLHO-LD	D26	LD	APP	OKLAHOMA CITY, OK
	BLANK0000054306			181.6	
No	KOTV-DT	D26	DT	CP	TULSA, OK
	BLANK0000028019			235.1	
No	K26KC-D	D26	LD	LIC	DALLAS, TX
	BLDTL20141017ACV			164.9	
No	K47NT-D	D26	LD	APP	MINERAL WELLS, TX
	BLANK0000054655			203.1	
No	KTAL-TV	D26	DT	CP	TEXARKANA, TX
	BLANK0000028380			252.4	
No	K26NK-D	D26-	LD	LIC	WICHITA FALLS, TX
	BLANK0000055164			203.9	
No	KTVE	D27	DT	LIC	EL DORADO, AR
	BLCDT20070105ABH			399.5	
No	KFTA-TV	D27	DT	LIC	FORT SMITH, AR
	BLCDT20090331AEC			281.0	
No	KNYS-LD	D27	LD	LIC	NATCHITOCHES, LA
	BLDTL20120203AAD			394.1	
No	K42FE-D	D27	LD	CP	SHREVEPORT, LA
	BLANK0000049061			296.6	
No	K27MY-D	D27	LD	LIC	ALTUS, OK
	BLANK0000045306			281.1	
Yes	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK
	BLCDT20050701ABR			204.7	
Yes	KFOR-TV	D27	DT	APP	OKLAHOMA CITY, OK
	BLANK0000055205			201.9	
No	K27JO-D	D27	LD	LIC	STRONG CITY, OK
	BLDTT20100521AEE			352.6	

No	K40KC-D	D27	LD	APP	TULSA, OK
	BLANK0000051831		238.8		
No	KODF-LD	D27	LD	LIC	BRITTON, TX
	BLDTL20100324ACQ		164.5		
No	K49LC-D	D27	LD	APP	COLLEGE STATION, TX
	BLANK0000054049		383.4		
Yes	KDFI	D27	DT	CP	DALLAS, TX
	BLANK0000034507		165.2		
No	KBVO	D27	DT	LIC	LLANO, TX
	BLCDT20090622ABA		420.8		
No	KLUF-LP	D27-	LD	CP	LUFKIN, TX
	BLANK0000010680		335.2		
No	K27HM-D	D27	LD	LIC	QUANAH, TX
	BLDTT20110118AAM		308.3		
No	K27LU-D	D27	LD	LIC	STEPHENVILLE, TX
	BLDTL20140610AAO		261.6		
No	KDKJ-LD	D27	LD	LIC	TYLER, TX
	BLANK0000001765		214.8		
No	K27BZ-D	D27	LD	LIC	WELLINGTON, TX
	BLDTT20100813BHF		359.2		
No	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA
	BLANK0000053971		270.7		
No	K28DJ-D	D28	LD	LIC	BROKEN BOW, OK
	BLDTL20120314ABZ		150.7		
No	KTPX-TV	D28	DT	LIC	OKMULGEE, OK
	BLCDT20020510AAQ		206.5		
No	KLEG-CD	D28	DC	CP	DALLAS, TX
	BLANK0000028671		139.7		
Yes	K31LQ-D	D28	LD	APP	SHERMAN, TX
	BLANK0000054047		37.5		
No	KFDX-TV	D28	DT	LIC	WICHITA FALLS, TX
	BLCDT20090205ABU		199.7		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
 Mask: Full Service
 Latitude: 33 59 23.00 N (NAD83)
 Longitude: 96 23 46.00 W
 Height AMSL: 323.0 m
 HAAT: 0.0 m
 Peak ERP: 13.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic
 Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
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0.0 deg	13.0 kW	121.7 m	45.2 km
45.0	13.0	134.3	46.0
90.0	13.0	136.7	46.2
135.0	13.0	126.9	45.5
180.0	13.0	122.9	45.2
225.0	13.0	111.0	44.3
270.0	13.0	104.5	43.6
315.0	13.0	94.6	42.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 119 m

Distance to Canadian border: 1457.0 km

Distance to Mexican border: 665.4 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 191.4 degrees Distance: 741.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 313.6 degrees Distance: 1037.0 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%

Interference to BLCDT20050701ABR LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK
BLCDT20050701ABR					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					204.7 km
	KOTV-DT	D26	DT	CP	TULSA, OK
BLANK0000028019					170.1
	KFTA-TV	D27	DT	LIC	FORT SMITH, AR
BLCDT20090331AEC					303.0
	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					338.2
	KTPX-TV	D28	DT	LIC	OKMULGEE, OK
BLCDT20020510AAQ					126.0

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
39981.4 1,639,558	39642.5 1,638,372	38763.7 1,629,867
38757.6 1,629,824	0.02 0.00	

Undesired	Total IX	Unique IX, before
Unique IX, after		
K46AI-D D27 LD APP	40.1 436	
6.0 43		
KOTV-DT D26 DT CP	219.2 2,780	33.3 764
33.3 764		
KFTA-TV D27 DT LIC	269.0 1,589	128.0 662
126.0 392		
KDFI D27 DT CP	211.6 1,000	187.6 834
163.5 745		
KTPX-TV D28 DT LIC	498.0 6,067	277.2 3,887
277.2 3,887		

Interference to BLANK0000055205 APP scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KFOR-TV	D27	DT	APP	OKLAHOMA CITY, OK
BLANK0000055205					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					
					201.9 km
	KOTV-DT	D26	DT	CP	TULSA, OK
BLANK0000028019					171.0
	KFTA-TV	D27	DT	LIC	FORT SMITH, AR
BLCDT20090331AEC					303.1
	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					334.9
	KTPX-TV	D28	DT	LIC	OKMULGEE, OK
BLCDT20020510AAQ					126.6

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
37403.5 1,614,809	37128.6 1,613,988	36449.2 1,605,059
36445.1 1,605,054	0.01 0.00	

Undesired	Total IX	Unique IX, before
Unique IX, after		
K46AI-D D27 LD APP	26.1 100	
4.0 5		
KOTV-DT D26 DT CP	157.9 1,206	20.2 159
20.2 159		
KFTA-TV D27 DT LIC	217.1 938	118.1 533
115.1 499		
KDFI D27 DT CP	164.4 1,144	145.4 1,049

132.4	993				
KTPX-TV D28 DT LIC		368.8	6,991	208.0	5,919
208.0	5,919				

Interference to BLANK0000034507 CP scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					165.2 km
	KXXV	D26	DT	LIC	WACO, TX
BLCDT20050630AFE					142.1
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK
BLCDT20050701ABR					338.2
	KBVO	D27	DT	LIC	LLANO, TX
BLCDT20090622ABA					259.9
	KLEG-CD	D28	DC	CP	DALLAS, TX
BLANK0000028671					27.1
	KWKT-TV	D28	DT	APP	WACO, TX
BLANK0000034740					145.0

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
38859.7	6,682,311	38518.2 6,680,265 37858.7 6,671,711
37533.5	6,657,899	0.86 0.21

Undesired	Total IX	Unique IX, before
Unique IX, after		
K46AI-D D27 LD APP	382.8	15,783
325.3 13,812		
KXXV D26 DT LIC	325.3	5,106 185.9 3,767
185.9 3,767		
KFOR-TV D27 DT LIC	122.2	2,398 101.3 2,220
47.7 299		
KBVO D27 DT LIC	273.4	2,053 203.9 991
202.9 991		
KLEG-CD D28 DC CP	3.0	53 3.0 53
2.0 8		
KWKT-TV D28 DT APP	133.4	1,323 2.0 6
2.0 6		

Interference to BLANK0000034507 CP scenario 2

File Number	Call	Chan	Svc	Status	City, State
					Distance

Desired:	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
	K27MV_FSM				165.2 km
	KXXV	D26	DT	LIC	WACO, TX
	BLCDT20050630AFE				142.1
	KFOR-TV	D27	DT	APP	OKLAHOMA CITY, OK
	BLANK0000055205				334.9
	KBVO	D27	DT	LIC	LLANO, TX
	BLCDT20090622ABA				259.9
	KLEG-CD	D28	DC	CP	DALLAS, TX
	BLANK0000028671				27.1
	KWKT-TV	D28	DT	APP	WACO, TX
	BLANK0000034740				145.0

	Service area		Terrain-limited		IX-free, before
IX-free, after	Percent New IX				
38859.7	6,682,311	38518.2	6,680,265	37871.6	6,672,302
37540.4	6,657,980	0.87	0.21		

Undesired			Total IX		Unique IX, before
Unique IX, after					
K46AI-D D27 LD APP		382.8	15,783		
331.2	14,322				
KXXV D26 DT LIC		325.3	5,106	185.9	3,767
185.9	3,767				
KFOR-TV D27 DT APP		108.3	1,798	88.4	1,629
40.8	218				
KBVO D27 DT LIC		273.4	2,053	204.9	1,000
204.9	1,000				
KLEG-CD D28 DC CP		3.0	53	3.0	53
2.0	8				
KWKT-TV D28 DT APP		133.4	1,323	2.0	6
2.0	6				

Interference to BLANK0000034507 CP scenario 3

File Number	Call	Chan	Svc	Status	City, State
		Distance			
Desired:	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
	K27MV_FSM				165.2 km
	KXXV	D26	DT	LIC	WACO, TX
	BLCDT20050630AFE				142.1
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK
	BLCDT20050701ABR				338.2
	KBVO	D27	DT	LIC	LLANO, TX

BLCDT20090622ABA	259.9				
KLEG-CD	D28	DC	CP	DALLAS, TX	
BLANK0000028671	27.1				
KWKT-TV	D28	DT	CP	WACO, TX	
BLANK0000028462	145.0				

Service area		Terrain-limited		IX-free, before	
IX-free, after	Percent New IX				
38859.7	6,682,311	38518.2	6,680,265	37859.8	6,671,711
37534.5	6,657,899	0.86	0.21		

Undesired		Total IX		Unique IX, before	
Unique IX, after					
K46AI-D D27 LD APP	382.8	15,783			
325.3	13,812				
KXXV D26 DT LIC	325.3	5,106	258.6	4,194	
258.6	4,194				
KFOR-TV D27 DT LIC	122.2	2,398	101.3	2,220	
47.7	299				
KBVO D27 DT LIC	273.4	2,053	206.9	991	
205.9	991				
KLEG-CD D28 DC CP	3.0	53	3.0	53	
2.0	8				
KWKT-TV D28 DT CP	41.4	94	1.0	6	
1.0	6				

Interference to BLANK0000034507 CP scenario 4

File Number	Call	Chan	Svc	Status	City, State
Desired:	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					165.2 km
	KXXV	D26	DT	LIC	WACO, TX
BLCDT20050630AFE					142.1
	KFOR-TV	D27	DT	APP	OKLAHOMA CITY, OK
BLANK0000055205					334.9
	KBVO	D27	DT	LIC	LLANO, TX
BLCDT20090622ABA					259.9
	KLEG-CD	D28	DC	CP	DALLAS, TX
BLANK0000028671					27.1
	KWKT-TV	D28	DT	CP	WACO, TX
BLANK0000028462					145.0

Service area		Terrain-limited		IX-free, before	
IX-free, after	Percent New IX				
38859.7	6,682,311	38518.2	6,680,265	37872.6	6,672,302
37541.4	6,657,980	0.87	0.21		

Undesired		Total IX	Unique IX, before	
Unique IX, after				
K46AI-D D27 LD APP	382.8	15,783		
331.2 14,322				
KXXV D26 DT LIC	325.3	5,106	258.6	4,194
258.6 4,194				
KFOR-TV D27 DT APP	108.3	1,798	88.4	1,629
40.8 218				
KBVO D27 DT LIC	273.4	2,053	207.9	1,000
207.9 1,000				
KLEG-CD D28 DC CP	3.0	53	3.0	53
2.0 8				
KWKT-TV D28 DT CP	41.4	94	1.0	6
1.0 6				

Interference to BLANK0000054047 APP scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	K31LQ-D	D28	LD	APP	SHERMAN, TX
BLANK0000054047					
Undesireds:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM				37.5 km	
	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA
BLANK0000053971				305.3	
	KTPX-TV	D28	DT	LIC	OKMULGEE, OK
BLCDT20020510AAQ				209.4	
	KLEG-CD	D28	DC	CP	DALLAS, TX
BLANK0000028671				139.2	
	KWKT-TV	D28	DT	APP	WACO, TX
BLANK0000034740				306.1	
	KFDX-TV	D28	DT	LIC	WICHITA FALLS, TX
BLCDT20090205ABU				162.9	

Service area		Terrain-limited	IX-free, before	
IX-free, after	Percent New IX			
11897.5	269,203	11843.4	268,561	11667.2 265,420
11660.3	264,573	0.06	0.32	

Undesired		Total IX	Unique IX, before	
Unique IX, after				
K46AI-D D27 LD APP	9.9	854		
6.9 847				
KTBS-TV D28 DT LIC	1.0	3	0.0	0
0.0 0				
KTPX-TV D28 DT LIC	12.1	123	2.0	0
2.0 0				
KLEG-CD D28 DC CP	11.9	20	7.9	20

7.9	20				
KFDX-TV D28	DT LIC	166.3	3,121	152.2	2,995
149.3	2,988				

Interference to proposal scenario 1
 **MX: 13.72% interference received

File Number	Call	Chan	Svc	Status	City, State
Desired:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					
Undesireds:	KFTA-TV	D27	DT	LIC	FORT SMITH, AR
BLCDT20090331AEC					281.0 km
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK
BLCDT20050701ABR					204.7
	KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507					165.2
	K31LQ-D	D28	LD	APP	SHERMAN, TX
BLANK0000054047					37.5

Service area	Terrain-limited	IX-free
Percent IX		
6337.1	148,538	6306.2
5.24	13.72	147,463
		5975.6
		127,237

Undesired	Total IX	Unique IX
Prcnt Unique IX		
KFTA-TV D27 DT LIC	3.0	12
0.00	0.00	0.0
KFOR-TV D27 DT LIC	46.8	2,824
0.13	0.00	8.0
KDFI D27 DT CP	309.8	20,051
4.05	11.66	255.2
K31LQ-D D28 LD APP	35.5	314
0.17	0.11	10.8
		168

Interference to proposal scenario 2
 **MX: 13.72% interference received

File Number	Call	Chan	Svc	Status	City, State
Desired:	K46AI-D	D27	LD	APP	DURANT, OK
K27MV_FSM					
Undesireds:	KFTA-TV	D27	DT	LIC	FORT SMITH, AR
BLCDT20090331AEC					281.0 km
	KFOR-TV	D27	DT	APP	OKLAHOMA CITY, OK

BLANK0000055205	201.9			
KDFI	D27	DT	CP	DALLAS, TX
BLANK0000034507	165.2			
K31LQ-D	D28	LD	APP	SHERMAN, TX
BLANK0000054047	37.5			

Service area		Terrain-limited		IX-free
Percent IX				
6337.1	148,538	6306.2	147,463	5978.5
5.20	13.72			127,237

Undesired		Total IX		Unique IX
Prcnt Unique IX				
KFTA-TV D27 DT LIC	3.0	12	0.0	0
0.00 0.00				
KFOR-TV D27 DT APP	26.0	151	5.0	7
0.08 0.00				
KDFI D27 DT CP	309.8	20,051	269.2	19,761
4.27 13.40				
K31LQ-D D28 LD APP	35.5	314	11.8	168
0.19 0.11				