

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K28LK New Site, Model: Longley-Rice
Start: 2024.04.04 13:55:07

Study created: 2024.04.04 13:55:06

Study build station data: LMS TV 2024-04-04

Proposal: K28LK-D D28 LD LIC SILVER CITY, NM
File number: K28LK New Site
Facility ID: 168139
Station data: User record
Record ID: 201
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	DDK21GC	N21-	TX	APP	SAFFORD, AZ	BLTT20060215AAV	152.1 km
Yes	K120W-D	D27	LD	CP	SILVER CITY, NM	BLANK0000212868	1.8
No	K270J-D	D27	LD	LIC	EL PASO, TX	BLANK0000069872	201.5
No	K280A-D	D28	LD	LIC	COTTONWOOD, AZ	BLANK0000062884	412.5
No	KGRY-LD	D28	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000157663	360.4
Yes	K280Y-D	D28z	LD	LIC	SIERRA VISTA, AZ	BLANK0000081217	221.9
Yes	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLTT20030115ABS	268.7
Yes	K280E-D	D28+	LD	LIC	CABALLO, NM	BLANK0000064063	95.4
No	K28NM-D	D28	LD	CP	CARLSBAD, NM	BLANK0000171554	379.6
No	K28NM-D	D28	LD	LIC	CARLSBAD, NM	BLANK0000151861	376.8
No	K28GT-D	D28	LD	LIC	CROWNPOINT, NM	BLTT20120127AGO	315.1
No	K28GJ-D	D28	LD	LIC	HATCH, NM	BLTT20100115ACL	111.1
No	K28PS-D	D28	LD	LIC	RUIDOSO, NM	BLANK0000074754	237.0
Yes	K29MK-D	D29	LD	LIC	DEMING, NM	BLANK0000067119	93.5
No	K29LC-D	D29	LD	LIC	TRUTH OR CONSEQUENCE, NM	BLTT20131022ANI	94.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Stringent
Latitude: 32 50 49.80 N (NAD83)
Longitude: 108 14 20.40 W
Height AMSL: 2331.4 m
HAAT: 318.7 m
Peak ERP: 11.8 kW
Antenna: AL8 OMNIOID 220.0 deg
Elev Pattn: Generic
Elec Tilt: 1.75

50.1 dBu contour:			
Azimuth	ERP	HAAT	Distance
0.0 deg	5.16 kW	121.4 m	40.4 km
45.0	5.90	-47.9	25.9
90.0	4.94	284.2	49.7
135.0	6.02	470.6	59.1
180.0	9.94	531.2	63.9
225.0	11.8	424.4	61.4
270.0	9.06	345.1	56.2
315.0	5.44	420.7	56.6

Distance to Canadian border: 1795.3 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 118.2 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 222.0 degrees Distance: 200.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 17.4 degrees Distance: 850.9 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 BLANK0000212868 CP scenario 1

Desired:	Call K12QW-D	Chan D27	Svc LD	Status CP	City, State SILVER CITY, NM	File Number BLANK0000212868	Distance
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	1.8 km
	K270J-D	D27	LD	LIC	EL PASO, TX	BLANK0000069872	202.7
	K28GJ-D	D28	LD	LIC	HATCH, NM	BLDTT20100115ACL	111.6
Service area 9023.3	Terrain-limited 29,529		6435.4		IX-free, before 28,054	IX-free, after 6415.3	Percent New IX 28,054
						6172.6	27,927
						3.78	0.45
Undesired				Total IX	Unique IX, before	Unique IX, after	
K28LK-D	D28	LD	LIC	244.7	127	242.7	127
K270J-D	D27	LD	LIC	20.0	0	15.0	0
K28GJ-D	D28	LD	LIC	3.0	0	0.0	0

Interference to BLANK000081217 LIC scenario 1

Desired:	Call K280Y-D	Chan D28z	Svc LD	Status LIC	City, State SIERRA VISTA, AZ	File Number BLANK000081217	Distance			
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	221.9 km			
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	128.1			
	KPCE-LD	D29-	LD	LIC	TUCSON, AZ	BLANK0000163431	139.7			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
9816.3	123,544	7662.4		116,580	7611.9	116,008	7610.9	116,008	0.01	0.00
3007.6	85,319	2270.8		84,933	2270.8	84,933	2270.8	84,933	0.00	0.00 (in Mexico)
Undesired				Total IX	Unique IX, before		Unique IX, after			
K28LK-D	D28	LD	LIC	1.0	0		1.0	0		
KUAS-TV	D28	DT	LIC	50.5	572	50.5	572	50.5	572	

Interference to BLEDT20030115ABS LIC scenario 1

Desired:	Call KUAS-TV	Chan D28	Svc DT	Status LIC	City, State TUCSON, AZ	File Number BLEDT20030115ABS	Distance				
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	268.7 km				
	KASW	D27	DD	LIC	PHOENIX, AZ	BLANK0000233477	158.8				
	KTAZ	D29	DT	LIC	PHOENIX, AZ	BLANK0000190913	158.7				
Service area	12406.5	994,818	Terrain-limited	8573.4	976,832	IX-free, before	IX-free, after	Percent New IX			
						8555.4	976,832	8553.4	976,832	0.02	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after				
K28LK-D	D28	LD	LIC		2.0	0	2.0	0			
KASW	D27	DD	LIC		12.0	0	0.0	0			
KTAZ	D29	DT	LIC		18.0	0	6.0	0			

Interference to BLEDT20030115ABS LIC scenario 2

Desired:	Call KUAS-TV	Chan D28	Svc DT	Status LIC	City, State TUCSON, AZ	File Number BLEDT20030115ABS	Distance			
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	268.7 km			
	KASW	D27	DD	LIC	PHOENIX, AZ	BLANK0000204930	158.8			
	KTAZ	D29	DT	LIC	PHOENIX, AZ	BLANK0000190913	158.7			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
12406.5	994,818	8573.4		976,832	8555.4	976,832	8553.4	976,832	0.02	0.00
Undesired				Total IX	Unique IX, before		Unique IX, after			
K28LK-D	D28	LD	LIC	2.0	0		2.0	0		
KASW	D27	DD	LIC	12.0	0	0	0	0		
KTAZ	D29	DT	LIC	18.0	0	6	0	0		

Interference to BLANK000064063 LIC scenario 1

Desired:	Call K28QE-D	Chan D28+	Svc LD	Status LIC	City, State CABALLO, NM	File Number BLANK0000064063	Distance	
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	95.4 km	
	K28NM-D	D28	LD	CP	CARLSBAD, NM	BLANK0000171554	288.4	
	K28GJ-D	D28	LD	LIC	HATCH, NM	BLDTT20100115ACL	33.8	
	K28PS-D	D28	LD	LIC	RUIDOSO, NM	BLANK0000074754	143.0	
	K29LC-D	D29	LD	LIC	TRUTH OR CONSEQUENCE, NM	BLDTT20131022ANI	20.7	
6513.5	Service area 16,930	6216.0	Terrain-limited 15,458		IX-free, before 5254.4	IX-free, after 11,761	Percent New IX 0.17	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after		

K28LK-D	D28	LD	LIC	18.0	0			9.0	0
K28GJ-D	D28	LD	LIC	955.6	3,370	955.6	3,370	946.6	3,370
K28PS-D	D28	LD	LIC	2.0	0	2.0	0	2.0	0
K29LC-D	D29	LD	LIC	4.0	327	4.0	327	4.0	327

Interference to BLANK0000067119 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K29MK-D	D29	LD	LIC	DEMING, NM	BLANK0000067119	
Undesireds:	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	93.5 km
	KPCE-LD	D29-	LD	LIC	TUCSON, AZ	BLANK0000163431	329.9
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2250.2	22,578	2217.0	22,578	2217.0	2207.0	0.45 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
K28LK-D D28 LD LIC		10.0	0		10.0	0	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K28LK-D	D28	LD	LIC	SILVER CITY, NM	K28LK New Site	
Undesireds:	K120W-D	D27	LD	CP	SILVER CITY, NM	BLANK0000212868	1.8 km
	K280Y-D	D28z	LD	LIC	SIERRA VISTA, AZ	BLANK0000081217	221.9
	K280E-D	D28+	LD	LIC	CABALLO, NM	BLANK0000064063	95.4
	K28GJ-D	D28	LD	LIC	HATCH, NM	BLDTT20100115ACL	111.1
	Service area		Terrain-limited		IX-free	Percent IX	
	8713.4	29,375	6306.0	27,867	5878.5	27,556	6.78 1.12
Undesired			Total IX		Unique IX	Prcnt Unique IX	
K120W-D D27 LD CP		418.5	311	416.5	311	6.60	1.12
K280Y-D D28z LD LIC		5.0	0	5.0	0	0.08	0.00
K280E-D D28+ LD LIC		5.0	0	2.0	0	0.03	0.00
K28GJ-D D28 LD LIC		3.0	0	1.0	0	0.02	0.00