

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KDOC NEW BT & AZ, Model: Longley-Rice
Start: 2018.04.16 09:24:24

Study created: 2018.04.16 09:24:23

Study build station data: LMS TV 2018-04-14

Proposal: KDOC-TV D12 DT CP ANAHEIM, CA
File number: KDOC NEW BT & AZ
Facility ID: 24518
Station data: User record
Record ID: 389
Country: U.S.
Zone: II

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	1.1 km
Yes	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFG	1.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12
Latitude: 34 13 55.00 N (NAD83)
Longitude: 118 4 21.00 W
Height AMSL: 2016.0 m
HAAT: 1130.0 m
Peak ERP: 110 kW

Antenna: Die-THV-5A12/VP-R C170 (ID 1002307) 220.0 deg
Elev Pattn: Generic
Tilts: elec 1.25, mech 1.25 @ 220.0 deg

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	11.3 kW	564.5 m	111.5 km
45.0	4.74	543.2	103.4
90.0	22.3	989.9	130.5
135.0	98.1	1539.2	159.1
180.0	103	1674.9	160.2
225.0	92.0	1596.7	158.6
270.0	107	1128.2	153.7
315.0	84.4	834.9	142.8

Database HAAT does not agree with computed HAAT
Database HAAT: 1130 m Computed HAAT: 1109 m

ERP exceeds maximum
ERP: 110 kW ERP maximum: 10.8 kW

Distance to Canadian border: 1619.7 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 191.1 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 320.6 degrees Distance: 510.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 56.3 degrees Distance: 1308.4 km

Study cell size: 2.00 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 BLCDT20100709AFD LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	
Undesireds:	KDOC-TV	D12	DT	BL	ANAHEIM, CA	DTVBL24518	0.3 km
	KDOC-TV	D12	DT	CP	ANAHEIM, CA	KDOC NEW BT & AZ	1.1
	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	144.9
	KGTV	D10	DT	APP	SAN DIEGO, CA	BLANK0000035697	171.5
	KYMA-DT	D11	DT	LIC	YUMA, AZ	BLCDT20100915ABS	326.4
	KNSO	D11	DT	LIC	MERCED, CA	BLCDT20100202ABE	339.7
	KLVS	D11	DT	LIC	LAS VEGAS, NV	BMLED20120124ACO	341.3

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent
New IX								
55607.8	17,952,596	48162.1	17,591,882	47201.9	17,342,277	46875.5	17,292,013	0.69
0.29								

Undesired				Total IX	Unique IX, before	Unique IX, after
KDOC-TV D12 DT BL	27.9			22,870	23.9	19,423
KDOC-TV D12 DT CP	358.3			69,687		350.3 69,687
KERO-TV D10 DT LIC	8.0			15	4.0	14
KGTV D10 DT APP	423.0			188,969	419.1	185,522
KYMA-DT D11 DT LIC	51.9			2	43.9	2
KNSO D11 DT LIC	111.2			336	107.2	335
KLVS D11 DT LIC	354.1			40,861	346.1	40,861

Interference to BLCDT20100709AFD LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	
Undesireds:	KDOC-TV	D12	DT	BL	ANAHEIM, CA	DTVBL24518	0.3 km
	KDOC-TV	D12	DT	CP	ANAHEIM, CA	KDOC NEW BT & AZ	1.1
	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	144.9
	KGTV	D10	DT	LIC	SAN DIEGO, CA	BLCDT20090410ANQ	171.5
	KYMA-DT	D11	DT	LIC	YUMA, AZ	BLCDT20100915ABS	326.4
	KNSO	D11	DT	LIC	MERCED, CA	BLCDT20100202ABE	339.7
	KL VX	D11	DT	LIC	LAS VEGAS, NV	BMLED T20120124ACO	341.3

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent
New IX								
55607.8	17,952,596	48162.1	17,591,882	47433.5	17,485,593	47111.0	17,438,776	0.68
0.27								

Undesired		Total IX	Unique IX, before	Unique IX, after
KDOC-TV D12 DT BL	27.9	22,870	27.9	22,870
KDOC-TV D12 DT CP	358.3	69,687		350.3 69,687
KERO-TV D10 DT LIC	8.0	15	4.0	14 4.0 14
KGTV D10 DT LIC	187.5	42,206	187.5	42,206 187.5 42,206
KYMA-DT D11 DT LIC	51.9	2	43.9	2 43.9 2
KNSO D11 DT LIC	111.2	336	107.2	335 99.2 335
KL VX D11 DT LIC	354.1	40,861	346.1	40,861 346.1 40,861

 Interference to BLCDT20100709AFG LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFG	
Undesireds:	KDOC-TV	D12	DT	BL	ANAHEIM, CA	DTVBL24518	0.3 km
	KDOC-TV	D12	DT	CP	ANAHEIM, CA	KDOC NEW BT & AZ	1.1
	KSWT	D13	DT	LIC	YUMA, AZ	BLCDT20120426ABZ	326.4
	KTNV-TV	D13	DT	APP	LAS VEGAS, NV	BLANK0000035774	334.7

	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent
New IX								
56063.4	17,976,764	47884.5	17,520,456	47124.6	17,428,972	46905.6	17,396,588	0.46
0.19								

		Total IX	Unique IX, before	Unique IX, after
Undesired				
KDOC-TV D12 DT BL	23.9	22,870	23.9	22,870
KDOC-TV D12 DT CP	242.9	55,254		242.9
KSWT D13 DT LIC	16.0	20	12.0	20
KTNV-TV D13 DT APP	724.0	68,594	720.0	68,594

Interference to BLCDT20100709AFG LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFG	
Undesireds:	KDOC-TV	D12	DT	BL	ANAHEIM, CA	DTVBL24518	0.3 km
	KDOC-TV	D12	DT	CP	ANAHEIM, CA	KDOC NEW BT & AZ	1.1
	KSWT	D13	DT	LIC	YUMA, AZ	BLCDT20120426ABZ	326.4
	KTNV-TV	D13	DT	LIC	LAS VEGAS, NV	BMLCDT20121219AAK	334.7

	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent
New IX								
56063.4	17,976,764	47884.5	17,520,456	47538.3	17,486,340	47319.3	17,453,956	0.46
0.19								

		Total IX	Unique IX, before	Unique IX, after
Undesired				
KDOC-TV D12 DT BL	23.9	22,870	23.9	22,870
KDOC-TV D12 DT CP	242.9	55,254		242.9
KSWT D13 DT LIC	16.0	20	12.0	20
KTNV-TV D13 DT LIC	310.3	11,226	306.3	11,226

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDOC-TV	D12	DT	CP	ANAHEIM, CA	KDOC NEW BT & AZ	
Undesireds:	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFD	1.1 km
	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLCDT20100709AFG	1.1
Service area		Terrain-limited		IX-free		Percent IX	
63181.7	18,366,908	53570.1	17,664,139	53558.1	17,660,326	0.02	0.02
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KTTV D11 DT LIC		12.0	3,813	0.0	0	0.00	0.00
KCOP-TV D13 DT LIC		12.0	3,813	0.0	0	0.00	0.00