



**Kessler and Gehman Associates**  
Consultants • Broadcast • Wireless

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KTVX-D30 Minor Mod of CP APP, Model: Longley-Rice  
Start: 2019.02.28 10:06:42

Study created: 2019.02.28 10:06:42

Study build station data: LMS TV 2019-02-28

Proposal: KTVX D30 DT CP SALT LAKE CITY, UT  
File number: BLANK0000029840  
Facility ID: 68889  
Station data: User record  
Record ID: 2074  
Country: U.S.  
Zone: II

Search options:  
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KUPX-TV	D29	DT	LIC	PROVO, UT	BLCDT20020510AAP	0.6 km
No	KVUI	D31	DT	APP	POCATELLO, ID	BLANK0000035751	246.5
No	KVUI	D31	DT	LIC	POCATELLO, ID	BLCDT20081121ALB	251.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Latitude: 40 39 33.00 N (NAD83)  
Longitude: 112 12 10.00 W  
Height AMSL: 2843.8 m  
HAAT: 1259.3 m  
Peak ERP: 390 kW  
Antenna: KAT-759 25063 (Updated) 0.0 deg  
Elev Pattnr: Generic

Elec Tilt: 1.70

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	157 kW	1396.7 m	131.7 km
45.0	317	1350.5	138.8
90.0	192	1237.7	128.8
135.0	206	967.5	121.2
180.0	165	681.1	109.1
225.0	155	1400.0	131.6
270.0	282	1531.5	142.1
315.0	109	1509.7	130.8

ERP exceeds maximum

ERP: 390 kW ERP maximum: 91.6 kW

Distance to Canadian border: 926.9 km

Distance to Mexican border: 910.5 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 251.4 degrees Distance: 884.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 93.2 degrees Distance: 590.7 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%

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Interference to BLCDT20020510AAP LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KUPX-TV	D29	DT	LIC	PROVO, UT	BLCDT20020510AAP	
Undesireds:	KTVX	D30	DT	BL	SALT LAKE CITY, UT	DTVBL68889	0.6 km
	KTVX	D30	DT	CP	SALT LAKE CITY, UT	BLANK0000029840	0.6
	KSTU	D28	DT	LIC	SALT LAKE CITY, UT	BLCDT20120305ABX	0.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	43596.3	2,374,672	27955.0	2,191,229	27480.6	2,188,960	27432.3	2,188,996	0.18 -0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
KTVX D30 DT BL		470.3		2,269	253.3	647
KTVX D30 DT CP		518.6		2,233		301.6 611
KSTU D28 DT LIC		221.1		1,622	4.1	0 4.1 0

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVX	D30	DT	CP	SALT LAKE CITY, UT	BLANK0000029840	

Undesireds:	KUPX-TV	D29	DT	LIC	PROVO, UT	BLCDT20020510AAP	0.6 km
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	Service area		Terrain-limited		IX-free		Percent IX
	52946.7	2,389,387	35401.3	2,200,520	35345.1	2,196,128	0.16 0.20

Undesired				Total IX	Unique IX	Prcnt Unique IX
KUPX-TV D29 DT LIC		56.2		4,392	56.2	4,392 0.16 0.20