



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KUCW-D35 Updated, Model: Longley-Rice

Start: 2018.12.28 11:04:13

Study created: 2018.12.28 11:04:13

Study build station data: LMS TV 2018-12-27

Proposal: KUCW D35 DT CP OGDEN, UT

File number: BLANK0000029841

Facility ID: 1136

Station data: User record

Record ID: 2049

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
No	KUTV	D34	DT	CP	SALT LAKE CITY, UT	BLANK0000064142	0.0 km
No	KUTV	D34	DT	LIC	SALT LAKE CITY, UT	BLCDT20020211AAD	0.0
Yes	KUEN	D36	DT	LIC	OGDEN, UT	BLEDT20030528ACQ	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35

Latitude: 40 39 33.00 N (NAD83)

Longitude: 112 12 10.00 W

Height AMSL: 2843.8 m

HAAT: 1259.3 m

Peak ERP: 432 kW

Antenna: KAT-759 25063 0.0 deg

Elev Pattn: Generic

Elec Tilt: 1.70

40.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	178 kW	1396.7 m	132.0 km
45.0	362	1350.5	139.2
90.0	192	1237.7	127.6
135.0	268	967.5	122.8
180.0	217	681.1	110.6
225.0	101	1400.0	125.5
270.0	361	1531.5	143.7
315.0	80.2	1509.7	126.2

ERP exceeds maximum

ERP: 432 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%

Interference to BLEDT20030528ACQ LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KUEN	D36	DT	LIC	OGDEN, UT	BLEDT20030528ACQ	
Undesireds:	KUCW	D35	DT	BL	OGDEN, UT	DTVBL1136	0.0 km
	KUCW	D35	DT	CP	OGDEN, UT	BLANK0000029841	0.0
	KIDK	D36	DT	LIC	IDAHO FALLS, ID	BLANK0000001151	317.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
46073.8	2,361,296	30194.6	2,182,988	30166.3	2,182,982	30130.1	2,182,975	0.12	0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KUCW D35 DT BL	4.0	0	4.0	0
KUCW D35 DT CP	40.2	7		40.2 7
KIDK D36 DT LIC	24.2	6	24.2	6

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUCW	D35	DT	CP	OGDEN, UT	BLANK0000029841	
Undesireds:	KUTV	D34	DT	CP	SALT LAKE CITY, UT	BLANK0000064142	0.0 km
	Service area		Terrain-limited		IX-free		Percent IX
52431.9	2,388,846	34931.5	2,199,830	34931.5	2,199,830	0.00	0.00