

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KUEN_ANT_MOD_11302018, Model:
Longley-Rice
Start: 2018.11.30 12:39:23

Study created: 2018.11.30 12:39:22

Study build station data: LMS TV 2018-11-28

Proposal: KUEN D36 DT LIC OGDEN, UT
File number: KUEN_ANT_MOD_11302018
Facility ID: 69582
Station data: User record
Record ID: 470
Country: U.S.
Zone: II

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State
	File Number			Distance	
No	KUCW	D35	DT	CP	OGDEN, UT
	BLANK0000029841			0.0 km	
No	KUCW	D35	DT	LIC	OGDEN, UT
	BLANK0000063632			0.0	
Yes	KIDK	D36	DT	LIC	IDAHO FALLS, ID
	BLANK0000001151			317.8	

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D36
Latitude: 40 39 33.00 N (NAD83)
Longitude: 112 12 10.00 W
Height AMSL: 2831.2 m
HAAT: 1256.0 m
Peak ERP: 200 kW
Antenna: KAT 759_25063_CH_36 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.70

40.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	79.6 kW	1384.1 m	122.1 km
45.0	165	1337.9	128.9

90.0	78.9	1225.1	117.4
135.0	122	954.9	114.6
180.0	95.2	668.5	102.6
225.0	48.0	1387.4	116.7
270.0	169	1518.9	134.6
315.0	39.8	1497.1	117.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 1256 m Computed HAAT: 1247 m

ERP exceeds maximum
 ERP: 200 kW ERP maximum: 93.2 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 BLANK0000001151 LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KIDK	D36	DT	LIC	IDAHO FALLS, ID
BLANK0000001151					

Undesireds:	KUEN	D36	DT	BL	OGDEN, UT
DTVBL69582				317.8 km	
	KUEN	D36	DT	LIC	OGDEN, UT
KUEN_ANT_MOD_11302018				317.8	

IX-free, after	Service area	Terrain-limited	IX-free, before
	Percent New IX		
25258.8	305,509	23048.2	302,535
23048.2	302,535	-0.03	-0.00

Undesired		Total IX	Unique IX, before
Unique IX, after			
KUEN D36 DT BL	8.0	11	8.0
KUEN D36 DT LIC	0.0	0	11
0.0	0		

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State
File Number	Distance			
Desired: KUEN	D36	DT	LIC	OGDEN, UT
KUEN_ANT_MOD_11302018				
Undesireds: KUCW	D35	DT	CP	OGDEN, UT
BLANK00000029841		0.0 km		
KIDK	D36	DT	LIC	IDAHO FALLS, ID
BLANK0000001151		317.8		

Service area	Terrain-limited	IX-free
Percent IX		
45164.5	2,364,481	29576.7
0.22	0.00	2,184,483
		29512.3
		2,184,470

Undesired	Total IX	Unique IX
Prcnt Unique IX		
KUCW D35 DT CP	48.3	7
0.16	0.00	48.3
KIDK D36 DT LIC	16.1	6
0.05	0.00	16.1
		6

Interference to proposal scenario 2

Call	Chan	Svc	Status	City, State
File Number	Distance			
Desired: KUEN	D36	DT	LIC	OGDEN, UT
KUEN_ANT_MOD_11302018				
Undesireds: KUCW	D35	DT	LIC	OGDEN, UT
BLANK00000063632		0.0 km		
KIDK	D36	DT	LIC	IDAHO FALLS, ID
BLANK0000001151		317.8		

Service area	Terrain-limited	IX-free
Percent IX		
45164.5	2,364,481	29576.7
0.22	0.00	2,184,483
		29512.3
		2,184,470

Undesired	Total IX	Unique IX
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Prcnt Unique IX				
KUCW D35 DT LIC	48.3	7	48.3	7
0.16 0.00				
KIDK D36 DT LIC	16.1	6	16.1	6
0.05 0.00				