

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Pueblo32d3kwELTI110T, Model: Longley-Rice

Start: 2021.08.14 09:35:13

Study created: 2021.08.14 09:35:13

Study build station data: LMS TV 2021-08-13

Proposal: K32OG-D D32 LD APP PUEBLO, CO

Facility ID: 185447

Station data: User record

Record ID: 381

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	KTVD	D31	DT	LIC	DENVER, CO	BLANK0000080552	241.4 km
No	K31NI-D	D31	LD	LIC	LAMAR, CO	BLANK0000105791	99.2
No	KCEC	D32	DT	LIC	BOULDER, CO	BLANK0000113858	235.5
No	K32MD-D	D32	LD	LIC	CHEYENNE WELLS, CO	BLANK0000058914	126.3
No	K32NT-D	D32	LD	LIC	CRESTED BUTTE, CO	BLANK0000068631	305.0
No	K32NT-D	D32	LD	CP	CRESTED BUTTE, CO	BLANK0000153739	305.0
No	K32NO-D	D32	LD	LIC	GLENWOOD SPRINGS, CO	BLANK0000074902	369.0
No	K32NU-D	D32	LD	LIC	HAXTUN, CO	BLANK0000117638	305.4
No	K32EX-D	D32	LD	LIC	PEETZ, CO	BLD TT20110808ABI	324.1
No	K45HL-D	D32	LD	CP	REDSTONE, CO	BLANK0000080470	346.1
No	K32IK-D	D32	LD	LIC	SAN LUIS VALLEY, CO	BLD TT20101001ABZ	250.3
No	K38LD-D	D32	LD	CP	WOODY CREEK, CO	BLANK0000075137	328.2
No	K32AB-D	D32	LD	LIC	YUMA, CO	BLD TT20110502ABD	248.2
No	KDDC-LD	D32	LD	LIC	DODGE CITY, KS	BLD TL20130129AKQ	311.0
No	KUPT-LD	D32	LD	LIC	ALBUQUERQUE, NM	BLANK0000076650	401.4
No	K06FT	D32	LD	CP	PENASCO, NM	BDISD TT20090824AJI	273.0
No	KENW	D32	DT	LIC	PORTALES, NM	BLEDT20030219ADP	416.2
No	K32GD-D	D32	LD	LIC	GUYMON,, OK	BLD TT20111227ACG	236.1

No	K32KS-D	D32	LD	CP	AMARILLO, TX	BNPDTL20100430ABV	334.4
No	KRMA-TV	D33	DT	LIC	DENVER, CO	BLANK0000073966	235.5
No	K33KV-D	D33	LD	LIC	LAMAR, CO	BLDTT20110509ADF	99.2
No	K33QI-D	D33	LD	CP	PUEBLO, CO	BLANK0000071979	0.0
No	K33GC-D	D33	LD	LIC	CAPULIN, ETC., NM	BLDTT20110804AAD	145.1
No	KTLP-LD	N34z	TX	LIC	PUEBLO, CO	BLTTL20100505AHF	96.7

Non-directional AM stations within 0.8 km:
KBLJ 1400 L ND1 U LA JUNTA, CO BL13908

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Mask: Stringent
Latitude: 37 59 15.50 N (NAD83)
Longitude: 103 34 5.00 W
Height AMSL: 1261.5 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 110.0 deg
Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.011 kW	-16.7 m	5.7 km
45.0	0.133	-2.1	10.4
90.0	2.17	1.8	21.0
135.0	1.80	-53.3	20.1
180.0	0.052	-43.0	8.3
225.0	0.020	-37.6	6.6
270.0	0.004	-19.7	4.5
315.0	0.005	-4.9	4.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -22 m

Distance to Canadian border: 1223.9 km

Distance to Mexican border: 739.9 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 51.9 degrees Distance: 548.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 329.0 degrees Distance: 277.9 km

ERP: 0.015 kW Field strength: -31.9 dBu, 0.0 mV/m

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 proposal scenario 1

5.31% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K32OG-D	D32	LD	APP	PUEBLO, CO		
Undesireds:	KCEC	D32	DT	LIC	BOULDER, CO	BLANK0000113858	235.5 km
	K32NT-D	D32	LD	LIC	CRESTED BUTTE, CO	BLANK0000068631	305.0
	K33QI-D	D33	LD	CP	PUEBLO, CO	BLANK0000071979	0.0

Service area	Terrain-limited	IX-free	Percent IX
447.5 8,999	379.8 8,995	275.8 8,517	27.39 5.31

Undesired	Total IX	Unique IX	Prcnt Unique IX
KCEC D32 DT LIC	3.0 0	3.0 0	0.80 0.00
K33QI-D D33 LD CP	101.0 478	101.0 478	26.59 5.31

