

Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K41ME_Ch32_Omni_Move_Pre, Model: Longley-Rice
Start: 2019.04.18 11:48:47

Study created: 2019.04.18 11:22:12

Study build station data: LMS TV 2019-04-18

Proposal: K41ME-D D32 LD APP PUEBLO, CO
File number: K41ME_Ch32_Omni_Move
Facility ID: 185447
Station data: User record
Record ID: 852
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K31KM-D	D31	LD	LIC	COLORADO SPRINGS, CO	BLDTT20100202ABS	140.7 km
No	KTVB	D31	DT	CP	DENVER, CO	BLANK0000027979	241.4
No	K41LM-D	D31	LD	CP	LAMAR, CO	BLANK0000035530	99.2
Yes	KCEC	D32	DT	CP	BOULDER, CO	BLANK0000063284	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
Yes	KDVR	D32	DT	LIC	DENVER, CO	BMLCDT20130627ABX	241.5
No	K45KC-D	D32	LD	CP	GLENWOOD SPRINGS, CO	BLANK0000054551	369.0
No	K39HM-D	D32	LD	CP	HAXTUN, CO	BLANK0000054469	305.5
No	K32EX-D	D32	LD	LIC	PEETZ, CO	BLDTT20110808ABI	324.1
No	K32IK-D	D32	LD	LIC	SAN LUIS VALLEY, CO	BLDTT20101001ABZ	250.3
No	K32LG-D	D32	LD	CP	SEIBERT, CO	BNPDTL20100514AFK	154.1
No	K32AB-D	D32	LD	LIC	YUMA, CO	BLDTT20110502ABD	248.2
No	KDDC-LD	D32	LD	LIC	DODGE CITY, KS	BLDTL20130129AKQ	311.0
No	K32LJ-D	D32	LD	CP	GRAINFIELD, KS	BNPDTL20100514AGQ	296.1
No	KUPT-LD	D32	LD	CP	ALBUQUERQUE, NM	BLANK0000051812	401.4
No	K06FT	D32	LD	CP	PENASCO, NM	BDISDTT20090824AJI	273.0
No	KENW	D32	DT	LIC	PORTALES, NM	BLEDT20030219ADP	416.2
No	K32FE	N32	TX	LIC	TUCUMCARI, NM	BLTT20000707AEI	317.4
No	K32GD-D	D32	LD	LIC	GUYMON,, OK	BLDTT20111227ACG	236.1
No	K32KS-D	D32	LD	CP	AMARILLO, TX	BNPDTL20100430ABV	334.4
No	KRMA-TV	D33	DT	CP	DENVER, CO	BLANK0000027320	235.5
No	K33KV-D	D33	LD	LIC	LAMAR, CO	BLDTT20110509ADF	99.2
No	K33EW-D	D33	LD	LIC	WOODLAND PARK, CO	BLDTT20130124AEM	171.5
No	K33GC-D	D33	LD	LIC	CAPULIN, ETC., NM	BLDTT20110804AAD	145.1
No	KTLP-LP	N34z	TX	LIC	PUEBLO, CO	BLTTL20100505AHF	96.8

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

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Mask: Full Service
Latitude: 37 59 15.00 N (NAD83)
Longitude: 103 34 4.00 W
Height AMSL: 1369.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	90.9 m	42.2 km
45.0	15.0	105.6	43.9
90.0	15.0	109.0	44.3
135.0	15.0	54.1	36.4
180.0	15.0	64.1	38.2
225.0	15.0	69.8	39.1
270.0	15.0	87.8	41.8
315.0	15.0	102.6	43.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 86 m

Distance to Canadian border: 1224.0 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: 15.0 kW Field strength: -0.3 dBu, 0.0 mV/m

Study cell size: 1.00 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000063284 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCEC	D32	DT	CP	BOULDER, CO	BLANK0000063284	
Undesireds:	K41ME-D	D32	LD	APP	PUEBLO, CO	K41ME_Ch32_Omni_Move	235.5 km
	KTVD	D31	DT	CP	DENVER, CO	BLANK0000027979	6.7
	KRMA-TV	D33	DT	CP	DENVER, CO	BLANK0000027320	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27998.0		3,832,539		25911.0		3,617,219	25821.1
						3,611,131	25482.4
						3,593,716	1.31
						0.48	
Undesired				Total IX	Unique IX, before	Unique IX, after	
K41ME-D	D32	LD	APP	339.7	17,415	338.7	17,415
KTVD	D31	DT	CP	69.9	4,900	68.8	4,900
KRMA-TV	D33	DT	CP	21.0	1,188	20.0	1,188

Interference to BMLCDT20130627ABX LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDVR	D32	DT	LIC	DENVER, CO	BMLCDT20130627ABX	
Undesireds:	K41ME-D	D32	LD	APP	PUEBLO, CO	K41ME_Ch32_Omni_Move	241.5 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25219.4		3,430,366		23572.9		3,393,658	23572.9
						3,393,658	23549.9
						3,393,237	0.10
						0.01	
Undesired				Total IX	Unique IX, before	Unique IX, after	
K41ME-D	D32	LD	APP	23.0	421	23.0	421

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K41ME-D	D32	LD	APP	PUEBLO, CO	K41ME_Ch32_Omni_Move	
Undesireds:	KCEC	D32	DT	CP	BOULDER, CO	BLANK0000063284	235.5 km

Service area	Terrain-limited		IX-free	Percent IX
5221.4 28,890	5095.1 28,812	5069.8	28,812	0.50 0.00
Undesired	Total IX		Unique IX	Prcnt Unique IX
KCEC D32 DT CP	25.3 0	25.3	0	0.50 0.00