

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: CSprings11dZFP, Model: Longley-Rice
Start: 2018.05.31 12:07:48

Study created: 2018.05.31 12:07:48

Study build station data: LMS TV 2018-05-31

Proposal: K43CG D11 LD APP COLORADO SPRINGS, CO
Facility ID: 22859
Station data: User record
Record ID: 849
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	K09LH	N9	TX	LIC	MANITOU SPRINGS, CO	BLTTV4695	9.8 km
No	K10PM-D	D10	LD	LIC	BRECKENRIDGE, CO	BLDTV20101015AAN	119.5
Yes	KWHS-LD	D10	LD	APP	COLORADO SPRINGS, CO	BLANK0000054460	17.6
No	KZDN-LD	D10	LD	APP	DENVER, CO	BLANK0000052727	100.0
No	K20KE-D	D10	LD	APP	FORT MORGAN, CO	BLANK0000054257	137.2
No	K10PR-D	D10	LD	LIC	THOMASVILLE, CO	BLDTV20100709AHY	170.3
No	KRYD-LP	N10-	TX	LIC	VAIL, CO	BLTVL20080311ADN	163.9
No	K10MA-D	D10	LD	LIC	WAUNITA HOT SPRINGS, CO	BLDTV20101216ACS	151.6
No	K11UW-D	D11	LD	LIC	AKRON, CO	BLDTV20111122ALL	211.9
No	K11PS-D	D11	LD	LIC	COLLBRAN, CO	BLDTV20141217ABJ	275.9
No	K11LP-D	D11	LD	LIC	CORTEZ, CO	BLDTV20110329ACM	338.5
No	K11AT-D	D11	LD	LIC	GUNNISON, CO	BLDTV20090820ACK	187.2
No	K11TJ-D	D11	LD	LIC	SARGENTS, CO	BLDTV20101221ABN	150.9
No	K11LM-D	D11	LD	LIC	THOMASVILLE, CO	BLDTV20100920AAU	170.3
No	KSNG	D11	DT	LIC	GARDEN CITY, KS	BLCDT20090630AAP	364.4
Yes	KQCK	D11	DT	LIC	CHEYENNE, WY	BLCDT20040513ABA	186.6
No	K12QO-D	D12	LD	LIC	ASPEN, CO	BLDTV20121119AGY	179.6
No	KHDT-LD	D12	LD	APP	DENVER, CO	BLANK0000052172	100.0

No	KDNF-LD	D12	LD	APP	FORT COLLINS, CO	BLANK0000052715	166.4
No	K12QM-D	D12	LD	LIC	THOMASVILLE, CO	BLDTV20100709AHX	170.3
No	K12AL-D	D12	LD	LIC	WAUNITA HOT SPRINGS, CO	BLDTV20101216ACR	151.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11
Mask: Full Service
Latitude: 38 53 46.00 N (NAD83)
Longitude: 104 47 55.90 W
Height AMSL: 2046.9 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	11.5 m	28.9 km
45.0	3.00	-77.6	28.9
90.0	3.00	27.6	28.9
135.0	3.00	148.7	52.2
180.0	3.00	221.7	57.6
225.0	3.00	-56.5	28.9
270.0	3.00	-170.7	28.9
315.0	3.00	-177.7	28.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -9 m

Distance to Canadian border: 1122.9 km

Distance to Mexican border: 805.9 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 65.5 degrees Distance: 587.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 344.1 degrees Distance: 141.3 km
ERP: 3.00 kW Field strength: 6.9 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 BLANK0000054460 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWHS-LD	D10	LD	APP	COLORADO SPRINGS, CO	BLANK0000054460	
Undesireds:	K43CG	D11	LD	APP	COLORADO SPRINGS, CO		17.6 km
	KUSA	D9	DT	LIC	DENVER, CO	BLCDT20090417AIZ	114.1
	KZDN-LD	D10	LD	APP	DENVER, CO	BLANK0000052727	114.1
	K20KE-D	D10	LD	APP	FORT MORGAN, CO	BLANK0000054257	154.6
	KBSL-DT	D10	DT	LIC	GOODLAND, KS	BLCDT20130318ADJ	296.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
16237.9	971,018	14698.7	899,528	14113.3	847,640	14113.3 847,640	0.00 0.00
Undesired				Total IX	Unique IX, before		Unique IX, after
K43CG D11 LD APP	4.0			0	0.0		0
KUSA D9 DT LIC	23.7			4,333	8.9 2,241		8.9 2,241
KZDN-LD D10 LD APP	415.8			34,759	227.7 23,601		227.7 23,601
K20KE-D D10 LD APP	332.9			25,123	147.8 14,876		143.8 14,876

KBSL-DT D10 DT LIC 12.9 12 6.9 12 6.9 12

Interference to BLCDT20040513ABA LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQCK	D11	DT	LIC	CHEYENNE, WY	BLCDT20040513ABA	
Undesireds:	K43CG	D11	LD	APP	COLORADO SPRINGS, CO		186.6 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	31150.5 3,223,130	28967.3	3,163,615		28967.3 3,163,615	28959.2 3,162,196	0.03 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
K43CG D11 LD APP		8.0		1,419		8.0 1,419	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K43CG	D11	LD	APP	COLORADO SPRINGS, CO		
Undesireds:	KWHS-LD	D10	LD	APP	COLORADO SPRINGS, CO	BLANK0000054460	17.6 km
	KQCK	D11	DT	LIC	CHEYENNE, WY	BLCDT20040513ABA	186.6
	Service area		Terrain-limited		IX-free	Percent IX	
	4585.2 627,510	4012.8	617,876		3692.4 612,442	7.98 0.88	
Undesired				Total IX	Unique IX	Prcnt Unique IX	
KWHS-LD D10 LD APP		116.0		1,271	82.0 891	2.04 0.14	
KQCK D11 DT LIC		238.4		4,543	204.4 4,163	5.09 0.67	