

tvstudy v2.2.4 (Z2Qqz3)
Database: 127.0.0.1, Study: BLDTT20081017AEC, Model: Longley-Rice
Start: 2018.03.13 17:05:27

Study created: 2018.03.13 17:05:27

Study build station data: LMS TV 2018-03-06 (11)

Proposal: K44FN-D D21 LD LIC MCCOOK/CULBERTSON, NE
File number: BLDTT20081017AEC
Facility ID: 47954
Station data: User record
Record ID: 162
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K20HM-D	D20	LD	LIC	IDALIA, CO	BLDTT20110613AAG	147.8 km
No	K20KO-D	D20	LD	LIC	JULESBURG, CO	BLDTT20120430AAM	144.2
No	K20GK-D	D20	LD	LIC	PLEASANT VALLEY, CO	BLDTT20110613AAU	107.1
Yes	K20IJ-D	D20	LD	LIC	WAUNETA, NE	BLDTT20081125AQE	43.8
No	K21ML-D	D21	LD	CP	BURLINGTON, CO	BNPDTL20100514AFQ	171.1
No	KFCT	D21	DT	LIC	FORT COLLINS, CO	BLCDT20070920ACM	334.7
No	K21FF-D	D21	LD	LIC	HOLYOKE, CO	BLDTT20110502ABE	127.2
No	KGHB-CD	D21z	DC	CP	PUEBLO, ETC., CO	BLANK0000034455	379.0
No	K21MM-D	D21	LD	CP	COLBY, KS	BNPDTL20100514AGI	113.4
No	KDCK	D21	DT	LIC	DODGE CITY, KS	BLCDT20030423ABG	277.8
No	KAKE	D21	LD	LIC	WICHITA, KS	BLCDT20100308ABF	401.1
No	KWBE-LD	D21	LD	LIC	BEATRICE, NE	BLANK0000008496	349.2
No	KMLF-LD	D21	LD	LIC	GRAND ISLAND, NE	BLANK0000016018	227.6
No	K21HS	N21-	TX	LIC	NORFOLK, NE	BLTT20060510AAY	355.2
No	K22CQ-D	D22	LD	LIC	IDALIA, CO	BLDTT20110808ABJ	147.8
No	K22KW-D	D22	LD	LIC	JULESBURG, CO	BLDTT20120430AAL	144.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
Mask: Simple
Latitude: 40 15 46.00 N (NAD83)
Longitude: 100 53 32.00 W
Height AMSL: 926.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kw
Antenna: omni-directional
Elev Pattn: Generic
Elec Tilt: 0.5

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.542 kw	70.6 m	24.0 km
45.0	2.11	80.6	32.3
90.0	13.4	115.9	45.5
135.0	10.5	113.3	44.1
180.0	0.975	93.8	30.0
225.0	0.600	91.6	27.2
270.0	1.20	59.7	26.4
315.0	1.09	63.1	26.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 86 m

Distance to Canadian border: 971.1 km

Distance to Mexican border: 1067.9 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 69.8 degrees Distance: 220.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 269.5 degrees Distance: 368.0 km

No land mobile station failures found

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 BLDTT20081125AQE LIC scenario 1

Desired:	Call K20IJ-D	Chan D20	Svc LD	Status LIC	City, State WAUNETA, NE	File Number BLDTT20081125AQE	Distance
Undesireds:	K44FN-D	D21	LD	LIC	MCCOOK/CULBERTSON, NE	BLDTT20081017AEC	43.8 km
	Service area 33.0 599			Terrain-limited 33.0 599	IX-free, before 33.0 599	IX-free, after 32.0 599	Percent New IX 3.03 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K44FN-D	D21 LD LIC		1.0	0		1.0 0	

 Interference to proposal scenario 1

Desired:	Call K44FN-D	Chan D21	Svc LD	Status LIC	City, State MCCOOK/CULBERTSON, NE	File Number BLDTT20081017AEC	Distance
	Service area 3457.1 13,138			Terrain-limited 3426.0 13,109	IX-free 3426.0 13,109	Percent IX 0.00 0.00	