

tvstudy v2.2.3 (ujVPF2)
Database: 127.0.0.1, Study: BLEDT20090225ABN (88), Model: Longley-Rice
Start: 2017.11.18 13:42:41

Study created: 2017.11.18 13:42:15

Study build station data: LMS TV 2017-11-17 (9)

Proposal: KMNE-TV D7 DT LIC BASSETT, NE
File number: BLEDT20090225ABN
Facility ID: 47981
Station data: User record
Record ID: 44
Country: U.S.
Zone: II

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KBSH-DT	D7	DT	LIC	HAYS, KS	BLCDT20090715AHL	383.8 km
KNEP	D7	DT	CP	SIDNEY, NE	BLANK0000006506	301.2
KNEP	D7	DT	LIC	SIDNEY, NE	BLCDT20050914AAH	301.2
KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	360.8
KTTW	D7	DT	LIC	SIOUX FALLS, SD	BLCDT20081104AGG	270.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D7
Latitude: 42 20 5.00 N (NAD83)
Longitude: 99 29 3.00 W
Height AMSL: 1219.5 m
HAAT: 453.0 m
Peak ERP: 45.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

Elec Tilt: 1.50

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	45.0 kW	473.9 m	119.0 km
45.0	45.0	484.7	119.6
90.0	45.0	475.6	119.1
135.0	45.0	454.5	117.7
180.0	45.0	440.5	116.4
225.0	45.0	443.2	116.7
270.0	45.0	440.3	116.4
315.0	45.0	452.3	117.5

Database HAAT does not agree with computed HAAT

Database HAAT: 453 m Computed HAAT: 458 m

**Proposal service area extends beyond baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 740.8 km

Distance to Mexican border: 1326.3 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 150.5 degrees Distance: 179.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 245.1 degrees Distance: 537.5 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 BLCDT20090715AHL LIC, scenario 1

Desired:	Call KBSH-DT	Chan D7	Svc DT	Status LIC	City, State HAYS, KS	File Number BLCDT20090715AHL	Distance
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	383.8 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	383.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
30055.5 102,781	28935.2 100,433	28935.2 100,433	28915.4 100,433	0.07 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KMNE-TV D7 DT BL	0.0	0	0
KMNE-TV D7 DT LIC	19.8	0	19.8 0

Interference to BLANK0000006506 CP, scenario 1

Desired:	Call KNEP	Chan D7	Svc DT	Status CP	City, State SIDNEY, NE	File Number BLANK0000006506	Distance
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	301.2 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	301.2
	KMGH-TV	D7	DT	LIC	DENVER, CO	BLCDT20100709AJY	296.6
	KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	247.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42046.2 101,387	38917.3 95,888	36448.4 93,535	36284.3 93,515	0.45 0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
KMNE-TV D7 DT BL	349.1	48	168.6 14
KMNE-TV D7 DT LIC	541.2	77	332.7 34
KMGH-TV D7 DT LIC	1297.9	1,121	1278.0 1,110
KOTA-TV D7 DT LIC	1006.4	1,218	809.8 1,186

Interference to BLCDT20050914AAH LIC, scenario 1

Desired:	Call KNEP	Chan D7	Svc DT	Status LIC	City, State SIDNEY, NE	File Number BLCDT20050914AAH	Distance
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	301.2 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	301.2
	KMGH-TV	D7	DT	LIC	DENVER, CO	BLCDT20100709AJY	296.6
	KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	247.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
42054.2 101,389		38925.3 95,890		36456.4 93,537		36292.3 93,517	0.45 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
KMNE-TV D7 DT BL		349.1 48		168.6 14			
KMNE-TV D7 DT LIC		541.2 77				332.7 34	
KMGH-TV D7 DT LIC		1297.9 1,121		1286.0 1,113		1278.0 1,110	
KOTA-TV D7 DT LIC		1006.4 1,218		829.9 1,192		809.8 1,186	

Interference to BLCDT20090612AAE LIC, scenario 1

Desired:	Call KOTA-TV	Chan D7	Svc DT	Status LIC	City, State RAPID CITY, SD	File Number BLCDT20090612AAE	Distance
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	360.8 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	360.8
	KQCD-TV	D7	DT	LIC	DICKINSON, ND	BLCDT20090223ABH	320.9
	KNEP	D7	DT	CP	SIDNEY, NE	BLANK0000006506	247.8
	KZSD-TV	D8	DT	LIC	MARTIN, SD	BLEDT20090527AGU	153.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27731.8 174,876		25490.6 152,861		24610.7 151,139		24586.7 151,130	0.10 0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
KMNE-TV D7 DT BL		72.1 2		28.0 2			
KMNE-TV D7 DT LIC		128.1 18				52.0 11	
KQCD-TV D7 DT LIC		43.7 523		43.7 523		43.7 523	
KNEP D7 DT CP		747.9 1,197		679.7 1,182		667.8 1,182	
KZSD-TV D8 DT LIC		112.6 15		56.3 0		48.2 0	

Interference to BLCDT20090612AAE LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	360.8 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	360.8
	KQCD-TV	D7	DT	LIC	DICKINSON, ND	BLCDT20090223ABH	320.9
	KNEP	D7	DT	LIC	SIDNEY, NE	BLCDT20050914AAH	247.8
	KZSD-TV	D8	DT	LIC	MARTIN, SD	BLEDT20090527AGU	153.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	27731.8	174,876	25490.6	152,861	24610.7	151,139	24586.7 151,130 0.10 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
KMNE-TV D7 DT BL				72.1	2	28.0	2
KMNE-TV D7 DT LIC				128.1	18	52.0	11
KQCD-TV D7 DT LIC				43.7	523	43.7	523
KNEP D7 DT LIC				747.9	1,197	679.7	1,182
KZSD-TV D8 DT LIC				112.6	15	56.3	0
						48.2	0

Interference to BLCDT20081104AGG LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTTW	D7	DT	LIC	SIOUX FALLS, SD	BLCDT20081104AGG	
Undesireds:	KMNE-TV	D7	DT	BL	BASSETT, NE	DTVBL47981	270.4 km
	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	270.4
	KESD-TV	D8	DT	LIC	BROOKINGS, SD	BLEDT20090527AGV	106.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	18884.4	329,557	17738.6	326,309	16424.8	320,893	16169.1 319,501 1.56 0.43
Undesired				Total IX	Unique IX, before	Unique IX, after	
KMNE-TV D7 DT BL				877.7	3,569	837.7	3,509
KMNE-TV D7 DT LIC				1157.5	4,988	1093.4	4,901
KESD-TV D8 DT LIC				476.1	1,907	436.0	1,847
						412.0	1,820

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	
Undesireds:	KBSH-DT	D7	DT	LIC	HAYS, KS	BLCDT20090715AHL	383.8 km
	KNEP	D7	DT	CP	SIDNEY, NE	BLANK0000006506	301.2
	KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	360.8
	KTTW	D7	DT	LIC	SIOUX FALLS, SD	BLCDT20081104AGG	270.4
	Service area		Terrain-limited		IX-free	Percent IX	
43590.1	51,053	41537.3	48,721	41032.1	48,528	1.22 0.40	
Undesired			Total IX		Unique IX	Prcnt Unique IX	
KBSH-DT D7 DT LIC		40.4	38	32.3	36	0.08 0.07	
KNEP D7 DT CP		293.1	41	224.9	25	0.54 0.05	
KOTA-TV D7 DT LIC		123.9	47	63.8	33	0.15 0.07	
KTTW D7 DT LIC		116.0	83	116.0	83	0.28 0.17	

Interference to proposal, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMNE-TV	D7	DT	LIC	BASSETT, NE	BLEDT20090225ABN	
Undesireds:	KBSH-DT	D7	DT	LIC	HAYS, KS	BLCDT20090715AHL	383.8 km
	KNEP	D7	DT	LIC	SIDNEY, NE	BLCDT20050914AAH	301.2
	KOTA-TV	D7	DT	LIC	RAPID CITY, SD	BLCDT20090612AAE	360.8
	KTTW	D7	DT	LIC	SIOUX FALLS, SD	BLCDT20081104AGG	270.4
	Service area		Terrain-limited		IX-free	Percent IX	
43590.1	51,053	41537.3	48,721	41032.1	48,528	1.22 0.40	
Undesired			Total IX		Unique IX	Prcnt Unique IX	
KBSH-DT D7 DT LIC		40.4	38	32.3	36	0.08 0.07	
KNEP D7 DT LIC		293.1	41	224.9	25	0.54 0.05	
KOTA-TV D7 DT LIC		123.9	47	63.8	33	0.15 0.07	

KTTW D7 DT LIC	116.0	83	116.0	83	0.28	0.17
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