FCC TVSTUDY SUMMARY

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    Proposal: K46LN-D D18 LD APP CHEYENNE, WY
 File number: BNPDTL20100510AEW
 Facility ID: 186316
Station data: User record
   Record ID: 511
     Country: U.S.
```

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

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KPJR-TV	D17	DT	LIC	GREELEY, CO	BLANK0000071955	116.7 km
No	K17NH-D	D17	LD	LIC	STERLING, CO	BLANK0000117672	172.6
No	KTWO-TV	D17	DT	LIC	CASPER, WY	BLCDT20110315ABB	211.6
No	K18MS-D	D18	LD	LIC	AKRON, CO	BLANK0000117623	183.8
No	K18LN-D	D18	LD	CP	ASPEN, CO	BNPDTL20090825BXE	266.7
Yes	KZCS-LD	D18z	LD	LIC	COLORADO SPRINGS, CO	BLANK0000116066	267.2
Yes	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	117.0
No	K18LL-D	D18	LD	LIC	EADS, ETC., CO	BLANK0000001779	350.7
No	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	396.6
No	K18FO-D	D18	LD	LIC	IDALIA, CO	BLDTT20110120ABQ	262.0
No	K18IQ-D	D18	LD	CP	JACKS CABIN, CO	BPDTT20150123AHE	313.4
No	K18IQ-D	D18	LD	LIC	JACKS CABIN, CO	BLDTT20091125AFJ	313.4
No	K18KH-D	D18	LD	LIC	JULESBURG, CO	BLDTT20120430AAK	218.1
No	K18FN-D	D18	LD	LIC	PEETZ, CO	BLDTT20110928AKM	147.6
No	K18GM-D	D18	LD	LIC	PLEASANT VALLEY, CO	BLDTT20110613AAT	249.3
No	K18GD-D	D18	LD	LIC	REDSTONE, CO	BLDTT20091221ABB	286.2
No	K18NB-D	D18	LD	LIC	WRAY, CO	BLANK0000117480	260.6
No	KHME	D18	LD	LIC	RAPID CITY, SD	BLCDT20131125BMM	353.3
No	K18JQ-D	D18	LD	LIC	CASPER, WY	BLANK0000011827	222.0
Yes	K18JD-D	D18	LD	LIC	TORRINGTON, WY	BLDTT20110415ABJ	121.1
No	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	70.0
No	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	159.5
No	K19LW-D	D19	LD	LIC	STERLING, CO	BLANK0000117467	172.6
Yes	DDKCHY-LP	D19+	LD	APP	CHEYENNE, WY	BLANK0000071845	6.8
No	K19FX-D	D19	LD	LIC	LARAMIE, WY	BLDTT20111129FFV	43.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D18
       Mask: Full Service
   Latitude:  41  8 55.00 N (NAD83)
  Longitude: 104 57 24.00 W
Height AMSL: 2039.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
```

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	60.2 m	39.0 km

45.0	15.0	124.3	47.1
90.0	15.0	168.3	50.1
135.0	15.0	132.2	47.6
180.0	15.0	81.0	42.3
225.0	15.0	-31.2	31.2
270.0	15.0	9.2	31.2
315.0	15.0	15.6	31.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 70 m

Distance to Canadian border: 872.6 km

Distance to Mexican border: 1050.3 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 90.5 degrees Distance: 547.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 191.3 degrees Distance: 116.8 km
ERP: 15.0 kW Field strength: 11.2 dBu, 0.0 mV/m

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

Proposal causes no interference to BLANK0000071955 LIC
Proposal causes no interference to BLANK0000116066 LIC
Proposal causes 0.12% interference to BLANK0000071556 LIC scenario 1
Proposal causes no interference to BLDTT20110415ABJ LIC
Proposal causes no interference to BLANK0000071845 APP

---- Below is IX received by proposal BNPDTL20100510AEW ----

Proposal receives 0.84% interference from scenario 1
No IX check failures found.