

Study created: 2022.04.01 14:40:13

Study build station data: LMS TV 2022-03-28

Proposal: KFWY-LD D26 LD LIC CHEYENNE, WY
File number: BLANK0000179435
Facility ID: 185417
Station data: User record
Record ID: 1806
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KPXH-LD	D25	LD	LIC	FORT COLLINS, CO	BLDTL20111110AJH	78.7 km
No	K25LA-D	D25	LD	LIC	FORT MORGAN, CO	BLANK0000010537	127.9
No	KOAA-TV	D25	DT	LIC	PUEBLO, CO	BLANK0000107253	268.7
No	K26OT-D	D26	LD	LIC	AKRON, CO	BLANK0000117624	168.0
No	K26GY-D	D26	LD	LIC	BRECKENRIDGE, CO	BLANK0000068744	205.3
No	K26MS-D	D26	LD	LIC	COLLBRAN, CO	BLDTT20141217ABO	348.1
No	KKTV	D26	DT	LIC	COLORADO SPRINGS, CO	BLANK0000094108	268.6
No	K26FP-D	D26	LD	LIC	IDALIA, CO	BLDTT20110502ABB	247.2
No	K26FM-D	D26	LD	LIC	PEETZ, CO	BLDTT20110928AKL	128.6
No	K26GX-D	D26	LD	LIC	PLEASANT VALLEY, CO	BLDTT20111122AMN	230.9
No	K26IT-D	D26	LD	LIC	REDSTONE, ETC., CO	BLDTT20091221ABA	300.7
No	K26LH-D	D26	LD	LIC	SNOWMASS VILLAGE, CO	BLDTT20120604AAE	284.6
No	KZFC-LD	D26-	LD	LIC	WINDSOR, CO	BLANK0000099248	80.1
No	K26PG-D	D26	LD	LIC	WOODY CREEK, CO	BLANK0000163794	279.1
No	KLNE-TV	D26	DT	LIC	LEXINGTON, NE	BLANK0000123803	451.3
No	K26CV-D	D26	LD	LIC	OGALLALA, NE	BLANK0000121238	290.6
No	K26CV-D	N26	TX	LIC	OGALLALA, NE	BLTT19911217JC	253.3
No	KBHE-TV	D26	DT	LIC	RAPID CITY, SD	BLEDT20081121AKE	343.5
No	K26NL-D	D26	LD	LIC	GILLETTE, WY	BLANK0000058315	356.3
No	K26OM-D	D26	LD	LIC	SHOSHONI, WY	BLANK0000083958	369.5
No	KAVC-LD	D27	LD	LIC	Denver, CO	BLANK0000122035	118.8
No	KAVC-LD	D27	LD	CP	Denver, CO	BLANK0000140615	118.8
No	KVSN-DT	D27	DT	LIC	PUEBLO, CO	BLANK0000074846	268.6
No	K27KY-D	D27	LD	CP	STERLING, CO	BLANK0000163608	145.8
Yes	KLWY	D27	DT	LIC	CHEYENNE, WY	BLCDT20090227AAD	18.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Mask: Stringent
Latitude: 41 9 34.00 N (NAD83)
Longitude: 104 43 20.00 W
Height AMSL: 1895.0 m
HAAT: 0.0 m
Peak ERP: 6.18 kW
Antenna: ATC-BPX 270.0 deg
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.015 kW	61.0 m	9.0 km
45.0	0.015	97.3	11.3
90.0	0.089	97.3	17.2
135.0	0.015	96.1	11.2
180.0	0.015	43.0	7.5
225.0	1.48	46.7	24.2
270.0	6.18	25.8	26.4
315.0	1.48	12.1	19.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 60 m

Distance to Canadian border: 871.4 km

Distance to Mexican border: 1054.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 90.8 degrees Distance: 528.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 200.3 degrees Distance: 123.3 km
ERP: 0.146 kW Field strength: -6.5 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%

No IX check failures found.