

FCC TVSTUDY SUMMARY REPORT

0.1 KM PROFILE SPACING USED (REQUESTED)

Study build station data: LMS TV 2022-07-24

Proposal: KAVC-LD D27 LD APP Denver, CO
 File number: KAVC MOD OF CP
 Facility ID: 68077
 Station data: User record
 Record ID: 616
 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	K26GY-D	D26	LD	LIC	BRECKENRIDGE, CO	BLANK0000068744	82.5 km
No	KKTU	D26	DT	LIC	COLORADO SPRINGS, CO	BLANK0000094108	138.4
No	K26LH-D	D26	LD	LIC	SNOWMASS VILLAGE, CO	BLDTT20120604AAE	167.0
No	KZFC-LD	D26-	LD	LIC	WINDSOR, CO	BLANK0000099248	60.3
No	K26PG-D	D26	LD	LIC	WOODY CREEK, CO	BLANK0000163794	165.2
No	KFWY-LD	D26	LD	APP	CHEYENNE, WY	BLANK0000188727	139.6
No	KFWY-LD	D26	LD	LIC	CHEYENNE, WY	BLANK0000179435	124.2
No	K27OF-D	D27	LD	LIC	CRESTED BUTTE, CO	BLANK0000068625	191.4
No	K27LK-D	D27	LD	LIC	GATEVIEW, CO	BLDTT20120106ABO	257.9
No	KHGS-LD	D27	LD	CP	GLENWOOD SPRINGS, CO	BLANK0000052045	188.0
No	KGJT-CD	D27	DC	LIC	GRAND JUNCTION, CO	BLDTA20131202CIV	275.9
No	K27IH-D	D27	LD	LIC	HOLYOKE, CO	BLDTT20070604ADF	249.7
No	K27KX-D	D27	LD	LIC	LAS ANIMAS, CO	BLDTT20110509ACX	288.9
No	K27KA-D	D27	LD	LIC	PARLIN, CO	BLDTT20100713APC	205.0
Yes	KVSN-DT	D27	DT	LIC	PUEBLO, CO	BLANK0000074846	138.4
No	K27MT-D	D27	LD	LIC	ROMEO, CO	BLANK0000055052	351.7
No	K27OV-D	D27	LD	LIC	WOODY CREEK, CO	BLANK0000163800	165.2
No	KHGI-CD	D27	DC	LIC	NORTH PLATTE, NE	BLANK0000114628	406.8
No	K27NO-D	D27	LD	LIC	VERNAL, UT	BLANK0000146990	335.8
No	KWYF-LD	D27	LD	LIC	CASPER, WY	BLDTT20120615ACV	323.5
Yes	KLWY	D27	DT	LIC	CHEYENNE, WY	BLCDT20090227AAD	124.2
No	K28HI-D	D28	LD	LIC	BRECKENRIDGE/DILLON, CO	BLANK0000068743	82.5
No	K28KC-D	D28	LD	LIC	CANON CITY, CO	BLDTL20090708AAT	171.0
No	K28KU-D	D28	LD	LIC	CRESTED BUTTE, CO	BLDTL20121119AOU	191.4
No	KTFD-TV	D28	DT	LIC	DENVER, CO	BLANK0000066076	25.3
No	K28GE-D	D28+	LD	LIC	WOODLAND PARK, CO	BLANK0000040556	108.9
No	K28GE-D	N28+	TX	LIC	WOODLAND PARK, CO	BLTTL19991203AAV	108.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
 Mask: Full Service
 Latitude: 39 57 36.25 N (NAD83)
 Longitude: 105 12 48.32 W
 Height AMSL: 1757.4 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 9.90 kW
 Antenna: KAT-1X1 750-10210 (ID 1003266) 140.0 deg
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.005 kW	167.4 m	11.0 km
45.0	0.032	163.1	17.4
90.0	2.07	125.5	36.1
135.0	9.59	64.5	36.6
180.0	3.54	-55.9	23.7

225.0	0.078	-422.6	9.4
270.0	0.030	-418.8	7.4
315.0	0.090	-58.7	9.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -54 m

Distance to Canadian border: 1004.7 km

Distance to Mexican border: 916.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 77.3 degrees Distance: 583.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 349.0 degrees Distance: 17.9 km
ERP: 0.007 kW Field strength: 60.1 dBu, 1.0 mV/m

Study cell size: 1.00 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Proposal causes 0.44% interference to BLANK0000074846 LIC scenario 1
Proposal causes 0.00% interference to BLCDT20090227AAD LIC scenario 1

---- Below is IX received by proposal KAVC MOD OF CP ----

Proposal receives 57.59% interference from scenario 1

No IX check failures found.