

FIGURE 3 - FCC TVSTUDY SUMMARY REPORT - KAVC-LD DENVER CO

NOTE: CELL SPACING 1.0 KM

TERRAIN PROFILE 0.10 KM REQUESTED.

Proposal: KAVC-LD D27 LD APP Denver, CO
 File number: KAVC- MINOR MOD
 Facility ID: 68077
 Station data: User record
 Record ID: 741
 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	K260T-D	D26	LD	LIC	AKRON, CO	BLANK0000117624	174.9 km
No	K26GY-D	D26	LD	LIC	BRECKENRIDGE, CO	BLANK0000068744	89.4
Yes	KKTV	D26	DT	LIC	COLORADO SPRINGS, CO	BLANK0000094108	131.5
No	K26LH-D	D26	LD	LIC	SNOWMASS VILLAGE, CO	BLDTT20120604AAE	173.3
No	KZFC-LD	D26-	LD	LIC	WINDSOR, CO	BLANK0000099248	62.0
No	K26PG-D	D26	LD	LIC	WOODY CREEK, CO	BLANK0000163794	171.9
No	K270F-D	D27	LD	LIC	CRESTED BUTTE, CO	BLANK0000068625	196.3
No	K27LK-D	D27	LD	LIC	GATEVIEW, CO	BLDTT20120106ABO	261.1
No	KHGS-LD	D27	LD	CP	GLENWOOD SPRINGS, CO	BLANK0000197511	196.3
No	KGJT-CD	D27	DC	LIC	GRAND JUNCTION, CO	BLDTA20131202CIV	283.5
No	K27IH-D	D27	LD	LIC	HOLYOKE, CO	BLDTT20070604ADF	241.8
No	K27KX-D	D27	LD	LIC	LAS ANIMAS, CO	BLDTT20110509ACX	278.6
No	K27KA-D	D27	LD	LIC	PARLIN, CO	BLDTT20100713APC	207.3
Yes	KVSN-DT	D27	DT	LIC	PUEBLO, CO	BLANK0000074846	131.5
No	K27MT-D	D27	LD	LIC	ROMEO, CO	BLANK0000055052	348.8
No	K27OV-D	D27	LD	LIC	WOODY CREEK, CO	BLANK0000163800	171.9
No	KHGI-CD	D27	DC	LIC	NORTH PLATTE, NE	BLANK0000114628	399.8
No	DK48JH-D	D27	LD	APP	CAPULIN, ETC., NM	BLANK0000053998	372.2
No	K27NO-D	D27	LD	LIC	VERNAL, UT	BLANK0000146990	346.2
No	KWYF-LD	D27	LD	LIC	CASPER, WY	BLDTT20120615ACV	331.3
Yes	KLWY	D27	DT	LIC	CHEYENNE, WY	BLCDT20090227AAD	127.5
No	K28HI-D	D28	LD	LIC	BRECKENRIDGE/DILLON, CO	BLANK0000068743	89.4
No	K28KC-D	D28	LD	LIC	CANON CITY, CO	BLDTL20090708AAT	165.9
No	K28KU-D	D28	LD	LIC	CRESTED BUTTE, CO	BLDTL20121119AOU	196.3
Yes	KTFD-TV	D28	DT	LIC	DENVER, CO	BLANK0000066076	23.3
No	K28GE-D	D28+	LD	LIC	WOODLAND PARK, CO	BLANK0000040556	103.1
No	K28GE-D	N28+	TX	LIC	WOODLAND PARK, CO	BLTTL19991203AAV	103.1

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 54 50.00 N (NAD83)
 Longitude: 105 5 59.00 W
 Height AMSL: 1715.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: PSI PSIUP2PN-27 CUSTOM 356.0 deg
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.014 kW	129.3 m	12.6 km
45.0	0.483	101.5	26.5
90.0	10.8	104.8	42.7
135.0	7.02	87.2	38.5
180.0	10.5	56.6	35.7
225.0	12.5	-31.1	29.4
270.0	0.598	-127.1	15.3
315.0	0.025	69.1	10.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 49 m

Distance to Canadian border: 1009.8 km

Distance to Mexican border: 912.7 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 76.6 degrees Distance: 575.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 338.1 degrees Distance: 28.6 km

ERP: 0.004 kW Field strength: 46.3 dBu, 0.2 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 0.11% interference to BLANK0000094108 LIC scenario 1

Proposal causes 0.43% interference to BLANK0000074846 LIC scenario 1

Proposal causes no interference to BLCDT20090227AAD LIC

Proposal causes no interference to BLANK0000066076 LIC

----- Below is IX received by proposal KAVC- MINOR MOD -----

Proposal receives 42.47% interference from scenario 1

No IX check failures found.