

Study created: 2018.07.20 13:07:16

Study build station data: LMS TV 2018-07-19

Proposal: KCEC D32 DT APP BOULDER, CO
File number: KCEC Amendment DA Rotation
Facility ID: 57219
Station data: User record
Record ID: 2082
Country: U.S.
Zone: II

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KTVD	D31	DT	CP	DENVER, CO	BLANK0000027979	6.7 km
Yes	KTVD	D31	DT	BL	DENVER, CO	DTVBL68581	6.7
Yes	KRMA-TV	D33	DT	CP	DENVER, CO	BLANK0000027320	0.0
Yes	KRMA-TV	D33	DT	BL	DENVER, CO	DTVBL14040	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Latitude: 39 40 17.40 N (NAD83)
Longitude: 105 13 8.00 W
Height AMSL: 2396.6 m
HAAT: 363.0 m
Peak ERP: 1000 kW
Antenna: RFS-SBB-E-24C170 (ID 1002059) 28.5 deg
Elev Pattnr: Generic
Tilts: elec 1.00, mech 0.50 @ 70.0 deg

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	654 kW	531.7 m	113.7 km
45.0	994	615.6	122.6
90.0	821	685.1	124.3
135.0	888	622.1	121.8
180.0	903	190.6	82.7
225.0	288	22.3	52.4
270.0	84.4	53.2	54.6
315.0	64.9	165.1	66.5

Database HAAT does not agree with computed HAAT

Database HAAT: 363 m Computed HAAT: 361 m

Distance to Canadian border: 1036.8 km

Distance to Mexican border: 884.6 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 74.2 degrees Distance: 592.0 km

Proposal is not within the West Virginia quiet zone area

**Proposal is within coordination distance of Table Mountain receiving zone

**Proposal exceeds field strength limit at Table Mountain receiving zone

Conditions at Table Mountain receiving zone:

Bearing: 356.6 degrees Distance: 49.7 km

ERP: 603 kW **Field strength: 99.6 dBu, 95.7 mV/m**

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%

No IX check failures found.