

Study created: 2018.07.20 12:58:59

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

Proposal: KCEC D32 DT BL BOULDER, CO  
File number: KCEC D32 BL DTVBL57219  
Facility ID: 57219  
Station data: User record  
Record ID: 2081  
Country: U.S.

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
No	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 16.96 N (NAD83)  
Longitude: 105 13 7.96 W  
Height AMSL: 2397.0 m  
HAAT: 363.0 m  
Peak ERP: 1000 kW  
Antenna: DIE-TFU-22DSC-R 3C200 DC (ID 88410) 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.00

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	677 kW	531.7 m	114.0 km
45.0	982	615.8	122.4
90.0	990	685.9	126.4
135.0	889	621.9	121.8
180.0	138	190.9	72.1
225.0	117	22.1	48.5
270.0	195	53.8	58.4
315.0	44.7	164.4	64.6

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: 605 kW **Field strength: 99.6 dBu, 95.9 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.