

K24DD-D FI 52827

Minor Modification: Change of location, controlled access site, no new construction.

Study created: 2024.04.02 16:49:35

Study build station data: LMS TV 2024-03-07

Proposal: K24DD-D D24 LD LIC PLEVNA, MT
File number: Bracket Butte
Facility ID: 52827
Station data: User record
Record ID: 466
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	K23DJ-D	D23	LD	CP	EKALAKA, MT	BLANK0000013283	48.1 km
No	K23DJ-D	D23	LD	LIC	EKALAKA, MT	BLDTL20120503AEY	48.1
No	K24KM-D	D24	LD	LIC	COLSTRIP, ETC., MT	BLDTL20120608AAT	212.2
No	K24MV-D	D24	LD	LIC	FORT PECK, MT	BLANK0000067775	251.4
No	K24GD-D	D24	LD	LIC	HARDIN, MT	BLDTL20100907ACF	262.2
No	K24MN-D	D24	LD	LIC	PHILLIPS COUNTY, MT	BLANK0000063085	377.4
No	KNDM	D24	DT	LIC	MINOT, ND	BLCDT20100510AHE	289.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
Mask: Simple
Latitude: 46 16 15.00 N (NAD83)
Longitude: 104 13 31.00 W
Height AMSL: 1056.5 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.789 kW
Antenna: SCA-PRTV-24 (ID 106080) 307.0 deg
Elev Pattnr: Generic

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	130.0 m	8.5 km
45.0	0.002	121.1	7.3
90.0	0.001	147.9	7.2
135.0	0.000	146.8	6.1
180.0	0.001	120.7	7.0
225.0	0.002	67.0	5.7
270.0	0.010	99.9	10.4
315.0	0.565	138.2	30.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 121 m

Distance to Canadian border: 303.3 km

Distance to Mexican border: 1622.3 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 139.8 degrees Distance: 755.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 187.1 degrees Distance: 684.8 km


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.

K24DD-D

BLDTT-20111229ACA
Latitude: 46-20-05 N
Longitude: 104-30-46.80 W
ERP: 0.789 kW
Channel: 24
Frequency: 533.0 MHz
AMSL Height: 945.0 m
Elevation: 939.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: Longley-Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

 Line of Sight

