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Study build station data: LMS TV 2022-11-09

Proposal: K24OE-D D24 LD CP JACKSON, WY
File number: K24OE Kat panel 500 watts at 357 deg
Facility ID: 183688
Station data: User record
Record ID: 487
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	K16CS-D	N16	TX	LIC	PINEDALE, ETC., WY	BLTT19931112IK	86.4 km
No	K22IY-D	N22	TX	LIC	BIG PINEY, WY	BLTT20100119AAE	86.4
No	K23BV-D	D23	LD	LIC	MONTPELIER, ID	BLDTT20111115AGZ	130.3
No	KPVI-DT	D23	DT	LIC	POCATELLO, ID	BLCDDT20060706AEF	141.9
No	K23GR-D	D23	LD	LIC	PRESTON, ID	BLDTT20111116AID	170.7
No	K24HU-D	D24	LD	LIC	BURLEY, ETC., ID	BLDTT20111104ALE	259.4
No	KIVI-TV	D24	DT	LIC	NAMPA, ID	BLCDDT20140506ADA	430.3
No	K24MP-D	D24	LD	LIC	BUTTE, MT	BLANK0000063139	311.5
No	K24FL-D	D24	LD	LIC	COLUMBUS, MT	BLDTT20090831ADK	267.6
No	K24GD-D	D24	LD	LIC	HARDIN, MT	BLDTL20100907ACF	359.4
No	K24OG-D	D24	LD	CP	HELENA, MT	BNPDTL20100421AAB	360.1
No	K24KV-D	D24	LD	LIC	LOGAN, UT	BLDTL20150220AAV	205.5
No	KPNZ	D24	DT	LIC	OGDEN, UT	BLCDDT20090617ABF	334.2
No	K24NC-D	D24	LD	LIC	ROOSEVELT, UT	BLANK0000146986	353.4
No	K24MU-D	D24	LD	LIC	SUMMIT COUNTY, UT	BLANK0000093353	296.6
No	K24GT-D	D24	LD	LIC	KEMMERER, WY	BLDTT20061003ABS	182.7
No	K24MJ-D	D24	LD	LIC	SHOSHONI, WY	BLANK0000055146	223.5
No	K25CK-D	D25	LD	LIC	MONTPELIER, ID	BLDTT20111115AHA	130.3
No	K25HG-D	D25	LD	LIC	PRESTON, ID	BLDTT20111116AIC	170.7
No	K25OI-D	D25	LD	LIC	SODA SPRINGS, ID	BLANK0000059260	119.7
No	K31DC-D	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	49.0
No	K32LS-D	N32z	TX	CP	DRIGGS, ID	BDISTT20130802ACU	37.8

Non-directional AM stations within 0.8 km:
KJNT 1490 L ND1 D JACKSON, WY BL20110322ABW
KJNT 1490 L ND1 N JACKSON, WY BL20110322ABW

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
Mask: Stringent
Latitude: 43 28 14.74 N (NAD83)
Longitude: 110 45 58.51 W
Height AMSL: 1928.0 m

HAAT: 0.0 m
Peak ERP: 0.500 kW
Antenna: KAT UHF panel 357.0 deg
Elev Pattn: Generic

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.490 kW	-42.6 m	15.1 km
45.0	0.086	-54.9	9.8
90.0	0.000	-786.5	1.5
135.0	0.000	-369.3	1.5
180.0	0.000	-148.7	1.5
225.0	0.000	-84.1	1.5
270.0	0.000	-183.7	1.8
315.0	0.135	-276.0	10.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -243 m

Distance to Canadian border: 614.4 km

Distance to Mexican border: 1243.7 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 101.4 degrees Distance: 1053.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 127.1 degrees Distance: 586.8 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.