

**THREE ANGELS BROADCASTING
NETWORK, INC.**

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West Frankfort, IL 62896
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Study created: 2018.04.03 12:59:26

Study build station data: LMS TV 2018-04-03 (15)

Proposal: K41MM-D D22 LD APP PATEROS, WA

File number: BLANK00000036119

Facility ID: 132732

Station data: User record

Record ID: 125

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	K21LD-D	D21	LD	LIC	MAZAMA, WA	BLDTT20120614ABW	62.8 km
No	KTBW-TV	D21	DT	CP	TACOMA, WA	BLANK00000027697	216.9
No	KYVE	D21	DT	LIC	YAKIMA, WA	BLEDT20030910ACL	170.1
No	KLEW-TV	D22	LD	LIC	LEWISTON, ID	BLCDDT20130726ABH	266.4
No	K22KS-D	D22	LD	LIC	LIBBY, MT	BLDTT20111114AUC	332.7
No	K22JJ-D	D22	LD	LIC	MILTON-FREEWATER, OR	BLDTT20111206BCQ	275.9
No	KPXG-TV	D22	DT	LIC	SALEM, OR	BLCDDT20110715ACN	348.5
No	K22KC-D	D22	LD	LIC	THE DALLES, OR	BLDTT20111202AFS	270.7
No	K22KC-D	D22	LD	CP	THE DALLES, OR	BDISDTT20060330AGF	270.7
No	KHPN-LD	D22	LD	CP	WARRENTON, OR	BLANK00000011217	353.4
No	K22JK-D	D22	LD	LIC	MOSES LAKE, WA	BLDTL20131206AUD	116.7
No	KTNW	D22	DT	CP	RICHLAND, WA	BLANK00000034858	222.5
Yes	KXLY-TV	D22	LD	LIC	SPOKANE, WA	BLANK00000024398	205.9
Yes	K22JF-D	D22	LD	LIC	STEMILT, ECT, WA	BLDTT20120123AET	88.9
No	KCPQ	D22	LD	LIC	TACOMA, WA	BLCDDT20120924AEK	179.6
No	K51JG-D	D22	LD	APP	YAKIMA, WA	BLANK00000028988	170.8
Yes	K23MU-D	D23	LD	LIC	BRIDGEPORT, WA	BLDTT20130910ACO	20.0
No	K50KK-D	D23	LD	APP	ELLENSBURG, WA	BLANK00000031967	130.6
No	K23KI-D	D23	LD	LIC	Seattle, WA	BLANK00000008201	162.6
No	K23KI-D	D23	LD	CP	Seattle, WA	BLANK00000024400	177.6
No	KIRO-TV	D23	DT	CP	SEATTLE, WA	BLANK00000034847	182.6
No	NEW	D23	LD	APP	YAKIMA, WA	BNPDTL20090825ANG	170.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Stringent
Latitude: 48 1 11.10 N (NAD83)
Longitude: 119 58 41.76 W
Height AMSL: 1610.0 m
HAAT: 0.0 m
Peak ERP: 2.16 kW
Antenna: SCA-K72314X2 (ID 96422) 65.0 deg
Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.055 kW	1021.6 m	40.6 km
45.0	1.63	1096.1	63.7
90.0	1.38	1035.5	61.7
135.0	0.049	1070.0	40.3
180.0	0.011	790.2	27.7
225.0	0.005	537.9	20.9
270.0	0.003	256.8	11.8
315.0	0.011	747.4	27.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 819 m

**Proposal 24.56 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 108.9 km

Distance to Mexican border: 1728.0 km

Conditions at FCC monitoring station: Ferndale WA

Bearing: 299.7 degrees Distance: 216.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 121.3 degrees Distance: 1461.0 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.