

**THREE ANGELS BROADCASTING
NETWORK, INC.**

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Study created: 2018.05.14 16:10:23

Study build station data: LMS TV 2018-05-08 (20)

Proposal: K51JG-D D25 LD APP YAKIMA, WA

File number: BLANK00000028988

Facility ID: 66980

Station data: User record

Record ID: 166

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	K24JI-D	D24	LD	LIC	HERMISTON, OR	BLDTL20131129ATU	112.2 km
No	KATU	D24	DT	CP	PORTLAND, OR	BLANK00000033626	204.4
No	KUNS-TV	D24	DT	CP	BELLEVUE, WA	BLANK00000034610	185.1
No	KRUM-LD	D24	LD	CP	SEATTLE, WA	BLANK00000024401	161.5
Yes	K24LR-D	D24	LD	CP	YAKIMA, WA	BNPDTL20090825AMM	5.2
No	K49JD-D	D25	LD	APP	KELLOGG, ID	BLANK00000045535	348.7
No	K25NZ-D	D25	LD	LIC	LEWISTON, ID	BLANK00000006594	266.1
No	KEZI	D25	LD	LIC	EUGENE, OR	BLCDDT20120626ACP	344.1
Yes	K41MU-D	D25	LD	APP	LA GRANDE, OR	BLANK00000029899	236.2
Yes	K42IT-D	D25	LD	APP	PENDLETON, OR	BLANK00000029075	182.6
Yes	KOIN	D25	DT	CP	PORTLAND, OR	BLANK00000034802	204.4
No	K25GA-D	D25	LD	LIC	REDMOND/PRINEVILLE, OR	BLDTL20130710ACD	235.1
Yes	K25KS-D	D25	LD	LIC	THE DALLES, OR	BLDTT20120405AAO	101.7
No	K25CG-D	D25	LD	LIC	ABERDEEN, WA	BLDTL20110812ACG	249.0
No	K25NY-D	D25	LD	LIC	BRIDGEPORT, WA	BLDTT20130910ACP	179.7
Yes	K25FP-D	D25	LD	LIC	ELLENSBURG, WA	BLDTL20120612ABA	40.3
Yes	K25MS-D	D25	LD	CP	KENNEWICK, WA	BNPDTL20100802AAB	117.1
No	K25CH-D	D25	LD	LIC	NORTH BEND, WA	BLDTL20110815ABG	193.9
Yes	KZJO	D25	DT	LIC	SEATTLE, WA	BLCDDT20090917AAN	181.4
No	KING-TV	D25	DT	CP	SEATTLE, WA	BLANK00000034825	184.9
No	K50CE-D	D26	LD	APP	HOOD RIVER, OR	BLANK00000053670	119.5
No	KJYY-LD	D26	LD	LIC	PORTLAND, OR	BLDTL20110705ABF	197.0
No	K38KL-D	D26	LD	APP	ELLENSBURG, WA	BLANK00000031938	40.4
Yes	KNDU	D26	DT	LIC	RICHLAND, WA	BLCDDT20091007ACO	116.8
No	K26IV-D	D26	LD	CP	WENATCHEE, WA	BDCCDDT20061030AGJ	96.4
No	K32FN	N32	TX	LIC	WENATCHEE, WA	BLTT20030605AEC	83.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
Mask: Full Service
Latitude: 46 31 41.40 N (NAD83)
Longitude: 120 31 20.20 W
Height AMSL: 652.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SCA-SL-8 (ID 23503) 15.0 deg
Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.6 kW	319.8 m	57.7 km
45.0	14.1	253.8	53.9
90.0	8.55	230.1	50.0
135.0	6.34	384.5	56.4
180.0	7.46	384.3	57.3
225.0	6.73	342.7	54.8
270.0	6.44	184.5	45.9
315.0	10.8	240.3	51.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 293 m

Proposal 24.85 dBu contour does not cross Canadian border

Distance to Canadian border: 274.8 km

Distance to Mexican border: 1570.9 km

Conditions at FCC monitoring station: Ferndale WA

Bearing: 331.4 degrees Distance: 309.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 114.4 degrees Distance: 1419.7 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.