



**Kessler and Gehman Associates**  
Consultants • Broadcast • Wireless

Study created: 2019.10.08 05:13:12

Study build station data: LMS TV 2019-10-03

Proposal: KOIN D25 DT CP PORTLAND, OR

File number: BLANK0000034802

Facility ID: 35380

Station data: User record

Record ID: 2235

Country: U.S.

Zone: II

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KATU	D24	DT	CP	PORTLAND, OR	BLANK0000033626	0.0 km
No	KUNS-TV	D24	DT	CP	BELLEVUE, WA	BLANK0000034610	237.0
Yes	KING-TV	D25	DT	CP	SEATTLE, WA	BLANK0000072655	237.0

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KUFO 970 L DAN D PORTLAND, OR BL

KUFO 970 L DAN N PORTLAND, OR BL

Record parameters as studied:

Channel: D25

Latitude: 45 30 57.80 N (NAD83)

Longitude: 122 44 3.10 W

Height AMSL: 614.0 m

HAAT: 536.3 m

Peak ERP: 1000 kW

Antenna: Omnidirectional

Elev Pattn: Generic  
Elec Tilt: 0.75

39.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	590.8 m	122.7 km
45.0	1000	585.2	122.3
90.0	1000	550.2	120.2
135.0	1000	538.4	119.5
180.0	1000	516.8	118.1
225.0	1000	526.9	118.8
270.0	1000	548.1	120.1
315.0	1000	434.2	112.0

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 427 kW

\*\*Proposal 24.85 dBu contour crosses Canadian border, coordination required  
Distance to Canadian border: 307.2 km

Distance to Mexican border: 1506.2 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 2.0 degrees Distance: 382.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 106.6 degrees Distance: 1540.4 km

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.