

Study created: 2017.10.29 14:50:16

Study build station data: LMS TV 2017-10-27 (57)

Proposal: KOIN D25 DT CP PORTLAND, OR  
File number: Proposed  
Facility ID: 35380  
Station data: User record  
Record ID: 2062  
Country: U.S.  
Zone: II

Search options:

Non-U.S. records included

Stations affected by proposal:

| Call    | Chan | Svc | Status | City, State  | File Number     | Distance |
|---------|------|-----|--------|--------------|-----------------|----------|
| KATU    | D24  | DT  | CP     | PORTLAND, OR | BLANK0000025678 | 0.0 km   |
| KATU    | D24  | DT  | BL     | PORTLAND, OR | DTVBL21649      | 0.0      |
| KING-TV | D25  | DT  | CP     | SEATTLE, WA  | BLANK0000028075 | 237.0    |
| KING-TV | D25  | DT  | BL     | SEATTLE, WA  | DTVBL34847      | 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: 612.4 m  
HAAT: 534.7 m  
Peak ERP: 1000 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.8

39.9 dBu contour:

| Azimuth | ERP     | HAAT    | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 1000 kW | 589.2 m | 122.6 km |
| 45.0    | 1000    | 583.6   | 122.2    |
| 90.0    | 1000    | 548.6   | 120.1    |
| 135.0   | 1000    | 536.8   | 119.4    |
| 180.0   | 1000    | 515.2   | 118.0    |
| 225.0   | 1000    | 525.3   | 118.7    |
| 270.0   | 1000    | 546.5   | 120.0    |
| 315.0   | 1000    | 432.6   | 111.9    |

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 431 kW

\*\*Proposal service area extends beyond baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

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.