

## **EXHIBIT 12**

### **FM OVERLAP REQUIREMENTS**

This application proposes a new location for licensed translator K280BZ, Wenatchee, WA. The new location is on an existing tower one-second south and one-second east of the current location. The antenna height would be increased 8 meters AMSL. The ERP would be reduced from 54 to 50 watts.

K280BZ is a grandfathered pre-1991 translator, covered by the provisions of 74.1235(j). As such, the ERP limitations of 74.1235(b) do not apply.

With the power reduction outlined above, the coverage contours at the new location would essentially be identical to those of the existing license. On the attached maps, the various interfering contours of the proposed translator are color coded, with the corresponding protected contours of other stations color-coded to match. As shown by **Exhibit 12a**, contour protection would be provided to all existing and proposed facilities, except K280BI, Ephrata, WA. **Exhibit 12b** shows that the area of overlap with K280BI would be reduced with this proposal. There is massive terrain blockage between the two translators. No objectionable interference is now occurring, and none is anticipated.

The 34dbu interfering contour does not cross the Canadian border, so no Canadian processing will be required.

**BROWN BROADCAST SERVICES**  
I N C O R P O R A T E D

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## Exhibit 12a - Contour Protection

Brown Broadcast Services, Inc.

Job: K280BZ Wenatchee Move to new tower.fmj

Master Database: 2004\_Jun\_30.fmd

Lat: N47:22:51 Lon: W120:17:15 NAD-27

Scale: 1:750000

Channel: 280 Class: DX

Status: Licensed, Construction Permit, Application, Addition, Vacant/Reserved

Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF

Range: 78 km, Clearance: -0.5km

Comments: No Comments

Description:

rfInvestigator-FM Version 2.0.135

by rfSoftware, Inc.

Date: 7/12/2004 6:19:36 PM

Key:

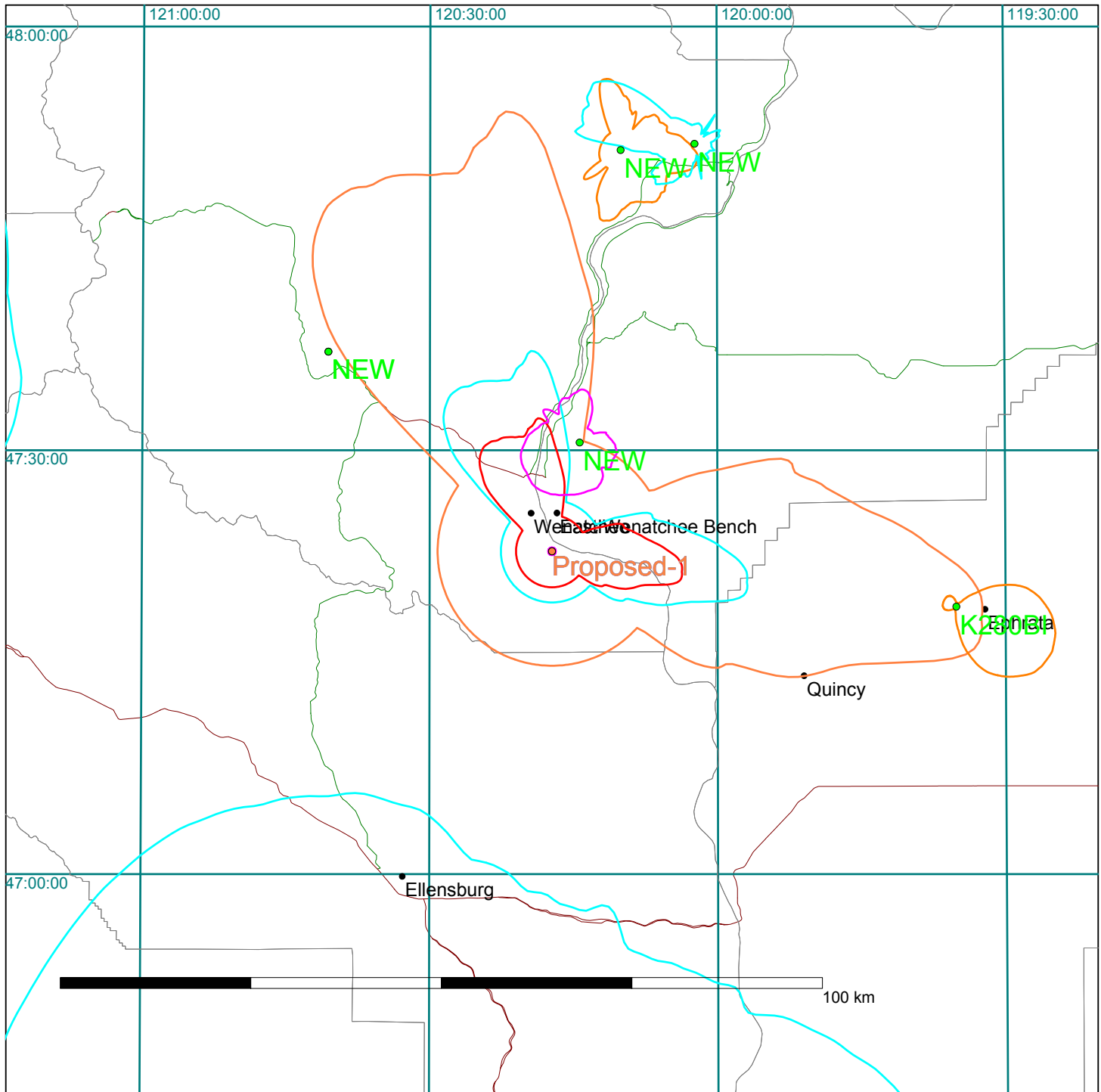
City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj



## Exhibit 12b - Prop. vs K280BI

Brown Broadcast Services, Inc.

Job: K280BZ Wenatchee Move to new tower.fmj

Master Database: 2004\_Jun\_30.fmd

Lat: N47:22:51 Lon: W120:17:15 NAD-27 (prop K280BZ site)

Scale: 1:100000

Channel: 280 Class: DX

Status: Licensed, Construction Permit, Application, Addition, Vacant/Reserved

Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF

Range: 78 km, Clearance: -0.5km

Comments: No Comments

Description:

rfInvestigator-FM Version 2.0.135

by rfSoftware, Inc.

Date: 7/12/2004 5:45:19 PM

Key:

City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj

