

## **EXHIBIT 12**

### **FM OVERLAP REQUIREMENTS**

This application uses identical parameters to those specified in the previously submitted “short form”, with the exception of a change in the antenna model, tower height and antenna height. This proposal is for a fill-in translator.

This application easily meets all requirements of 47 CFR §74.1204 regarding interference protection to other existing stations and authorizations, and shown by **Exhibit 12a**. It is not in the Canadian zone.

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

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503-245-6065

# Exhibit 12a - Contour Analysis

Brown Broadcast Services, Inc.  
Job: 14-3 CRATES CH 245 LONG FORM FINAL.fmj  
Master Database: 2003\_Aug\_08.fmd  
Lat: N45:39:05 Lon: W121:08:30 NAD-27  
Scale: 1:1500000  
Channel: 245 Class: DX  
Status: Licensed, Construction Permit, Application, Addition  
Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj  
Range: 100 km, Clearance: -0.5km  
Comments: No Comments  
Description:

rfInvestigator-FM Version 2.0.78  
by rfSoftware, Inc.  
Date: 8/18/2003 10:22:58 PM  
Key:  
Service  
Protected  
Co-Channel  
1st Adj  
2nd/3rd Adj

