

## Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dB $\mu$  for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

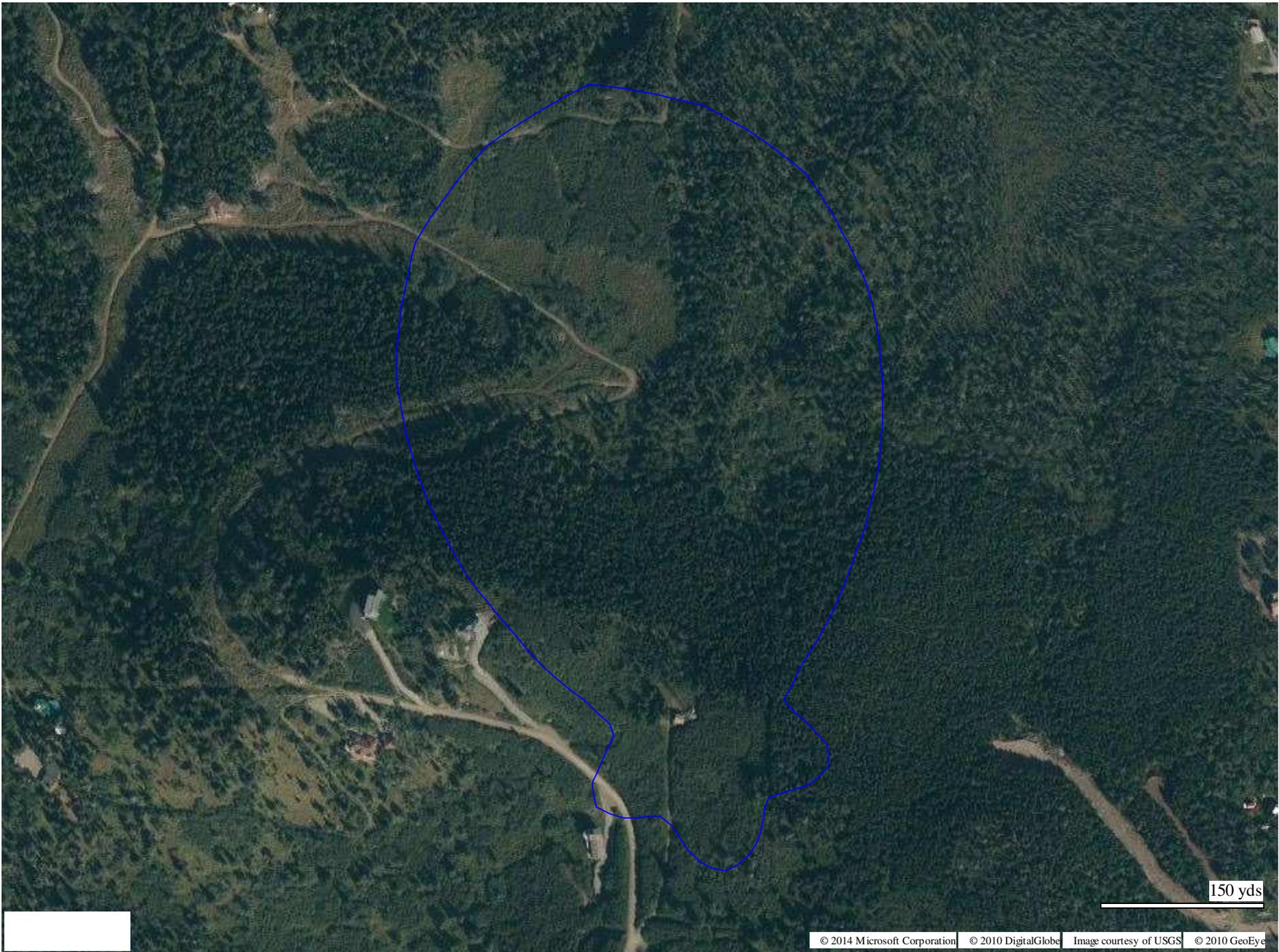
<b>Application_id</b>	<b>File Number</b>	<b>Callsign</b>	<b>Contour at Tower</b>	<b>Min. Contour</b>
1496310	BMPH20120424AAM	KNLT	65.8	65.8
1320429	BLH20071101ABX	KZND-FM	67	67

Minimum F(50,50) Contour of Adjacent Station within  
Proposed Translator's Standard Interfering Contour **65.8**

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **65.8 dB $\mu$** , this makes the proposed translator's worst-case interfering contour **105.8 dB $\mu$** . By the free-space equation, this contour is calculated to extend a maximum of **568.8 m** from the transmit antenna.

The interfering contour of the proposed translator was calculated for 120 radials and plotted on an aerial photo of the area. As demonstrated on the photo, there are no populated structures or highways within the area of interference. Hence, in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

**Antenna Manufacturer:** SCA  
**Antenna Model:** CA5-FM/CP/RM  
**CORAGL:** 23 m  
**Maximum ERP:** 0.25 kW  
**Interfering Contour:** 105.8 dB $\mu$   
**Max Int. Contour Distance:** 568.8 m



150 yds