



Engineering Statement

A search of the FCC FM database was performed to determine which stations provide a city grade signal contour coverage (60 DBUv) to Grand Portage, MN. The search revealed that no stations provided the required signal level to Grand Portage. Figure 1 shows the proposed signal contour as well as the contours of stations presently operating within 100 km from the center of Grand Portage..

The proposed new facility will serve an area of 1,035 sq km with a population of 547 people within the city grade coverage area. The only overlap area between any existing stations occurs over water.

As can be seen in this figure the instant proposal will provide First service to all of Grand Portage, MN.

Submitted,

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