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May 4, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Room TW-A325
Washington, D.C. 20554

FILED/ACCEPTED

MAY - 4 2011

Federal Communications Commission
Office of the Secretary

Re: Station KYUK (AM)
Bethel, Alaska
FIN: 4963
FRN: 0001572452

Dear Ms. Dortch:

On behalf of Bethel Broadcasting, Inc., licensee of noncommercial educational Station KYUK(AM), Bethel, Alaska, we hereby request the issuance of an experimental authorization, pursuant to Section 73.1510 of the rules, in order to operate the station for up to one year with modulation determined carrier-level control, sometimes referred to as "dynamic carrier control" (DCC). Apart from Section 73.1560(a), the station would be operated during testing within normal license parameters.

The FCC on June 24, 2010 granted experimental authority for DCC testing on Station KOTZ(AM), Kotzebue, Alaska and on September 28, 2010 for Station KDLG(AM), Dillingham, Alaska. Those earlier grants were based on a detailed engineering statement explaining that DCC is in widespread use throughout the world and results in very substantial power savings. Station KYUK is a noncommercial station in rural Alaska, located 340 miles west of Anchorage and accessible only by air and river. Electricity is extraordinarily expensive there. The licensee, working with the Alaska Public Broadcasting Commission, wishes to experiment with DCC to test the extent to which it will in practice provide the anticipated savings in its operating environment. The experiment will measure power consumption and assess whether there is any degradation of audio quality. The results of the experiment will be of critical importance for the

licensee and other similarly situated rural Alaska AM licensees that face budget challenges amid very high electricity costs. The experiment, if successful, thereby promises to lead to improvement of the technical phases of AM broadcast operation.

Pursuant to Section 1.1116 of the rules, this application is not subject to a filing fee because the applicant is a noncommercial educational licensee requesting an experimental authorization.

We have been authorized to certify on behalf of the applicant that neither it nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

Please address any questions concerning this application to this office.

Very truly yours,

SCHWARTZ, WOODS & MILLER

By: Lawrence M. Miller
Lawrence M. Miller

LMM/nmc