

# **KODIAK TRANSLATORS - MINOR CHANGE TO LICENSED FACILITIES**

## **Exhibit 1**

Alaska Village Missions (AVM) & Turquoise Broadcasting Company, LLC (TBC)

Alaska Village Missions (AVM) established continuous service to Kodiak, Alaska with a license granted July 30, 1985 for K296DC. Turquoise Broadcasting Company, LLC (TBC) currently owns and operates FM Translator Stations that first served the City of Kodiak, Alaska with a license granted Feb. 5, 1985 for K285AA\* (1st commercial FM service). TBC also operates two additional Translators, K274AB\* (2nd commercial FM service) licensed Feb. 4, 1987 and K300BZ\* licensed Nov. 29, 2007 with all four stations operating from the same communication site atop Pillar Mt. \*47 U.S. Code Section 307(f) - Licenses

Attached is a ComStudy demonstrating that relocating the licensee's FM Translator Stations to the proposed new site will allow full-service signal delivery to Kodiak without any significant loss of population served.

The proposed antenna system consisting of two Telecom LOG R FM antennas mounted with a vertically polarized antenna at 025 degrees and a horizontally polarized antenna at 205 degrees. A BEXT Model "FQCSDC03" four-channel, eight cavities, "star" combiner will be used by the four 250-watt ERP FM Translator Stations listed below. Each Transmitter will be operating with and output of approximately 100-watts.

K296DC AVM 96.5 MHz (10.6 MHz IF frequency change down from 107.1 MHz to 96.5 MHz) 74.1233(a)(1))

K274AB Turquoise Broadcasting Co. 102.7 MHz

K285AA Turquoise Broadcasting Co. 104.9 MHz

K300BZ Turquoise Broadcasting Co. 107.9 MHz

Compliance with RF Transmission System Requirements of Title 47 CFR Sections 73.317(b), (c) and (d) will be assured and submitted to the Commission. Prior to commencing program tests, sufficient measurements by applicant will be made to establish that the operation requested in this application is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements will be made with all stations simultaneously utilizing the shared antenna. These measurements will verify technical compliance and will be submitted to the commission along with the FCC Application for a Minor Change to License.

## AVM & TBC KODIAK TRANSLATORS - 60 dBu Contour

The 60 dBu Contour of the proposed new site is approximately a 14 Km long polygon oriented on an axis of 025 degrees to 205 degrees. The populated area of Kodiak is a narrow band from northeast to southwest of the new proposed Near Island site located near the center of Kodiak. The new translator site will continue to serve the entire population of the City of Kodiak and the U.S. Coast Guard base (the largest Coast Guard base in the world). The Google Earth view displays the total population of the City of Kodiak is within the 60 dBu Contour.

