

## **ENGINEERING STATEMENT OF JOEL T. SAXBERG**

This application for Construction Permit for FM Station KMXS, Channel 276C1, Anchorage, AK was prepared for the licensee, MCC Radio, LLC, by Broadcast Engineering and Equipment Maintenance Company, "BEEM CO."

**PROPOSED AM FM OPERATION** – The licensee proposes to co-locate FM station KMXS on the KFQD(AM) tower. The licensee proposes to use a single, side-mounted FM antenna at the top of the KFQD non-directional tower.

**RADIOFREQUENCY ELECTROMAGNETIC FIELDS** – Calculations made using FMMODEL program, the antenna manufactures antenna, a combined ERP (H + V) of 200 kW at 96.3 m above ground level indicate a power density at two meters above ground level to be less than 0.05 mW/cm<sup>2</sup>. The highest predicted reading of 0.046 mW/cm<sup>2</sup> will fall at approximately 25 meters from the tower base. This equates to a depression angle of -85 degrees. When necessary for others to work on the tower, transmissions will be reduced or terminated to protect persons from levels in excess of FCC guidelines.