

ENGINEERING STATEMENT
IN SUPPORT OF APPLICATION FOR LICENSE
FOR AUXILIARY ANTENNA
RADIO STATION KOSI(FM)
DENVER, COLORADO

This Engineering Statement was prepared on behalf of radio station KOSI(FM), Denver, Colorado, in support of an application for license for an auxiliary antenna (See FCC File No. BPH-20000825AHG). The instant application covers the KOSI(FM) auxiliary antenna construction permit. In addition, by means of this application, the nominal ERP of the KOSI(FM) auxiliary facility is reduced to 21.0 kW (H&V). The antenna HAAT remains unchanged at 85 m (280 ft). This ERP reduction is necessary to ensure that the KOSI(FM) auxiliary facility remains compliant with respect to the 60 dBu coverage area of the KOSI(FM) construction permit facility for its main transmitting antenna (See FCC File No. BPH-20010214ABZ).*

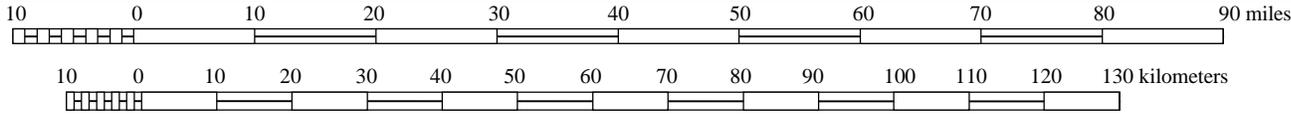
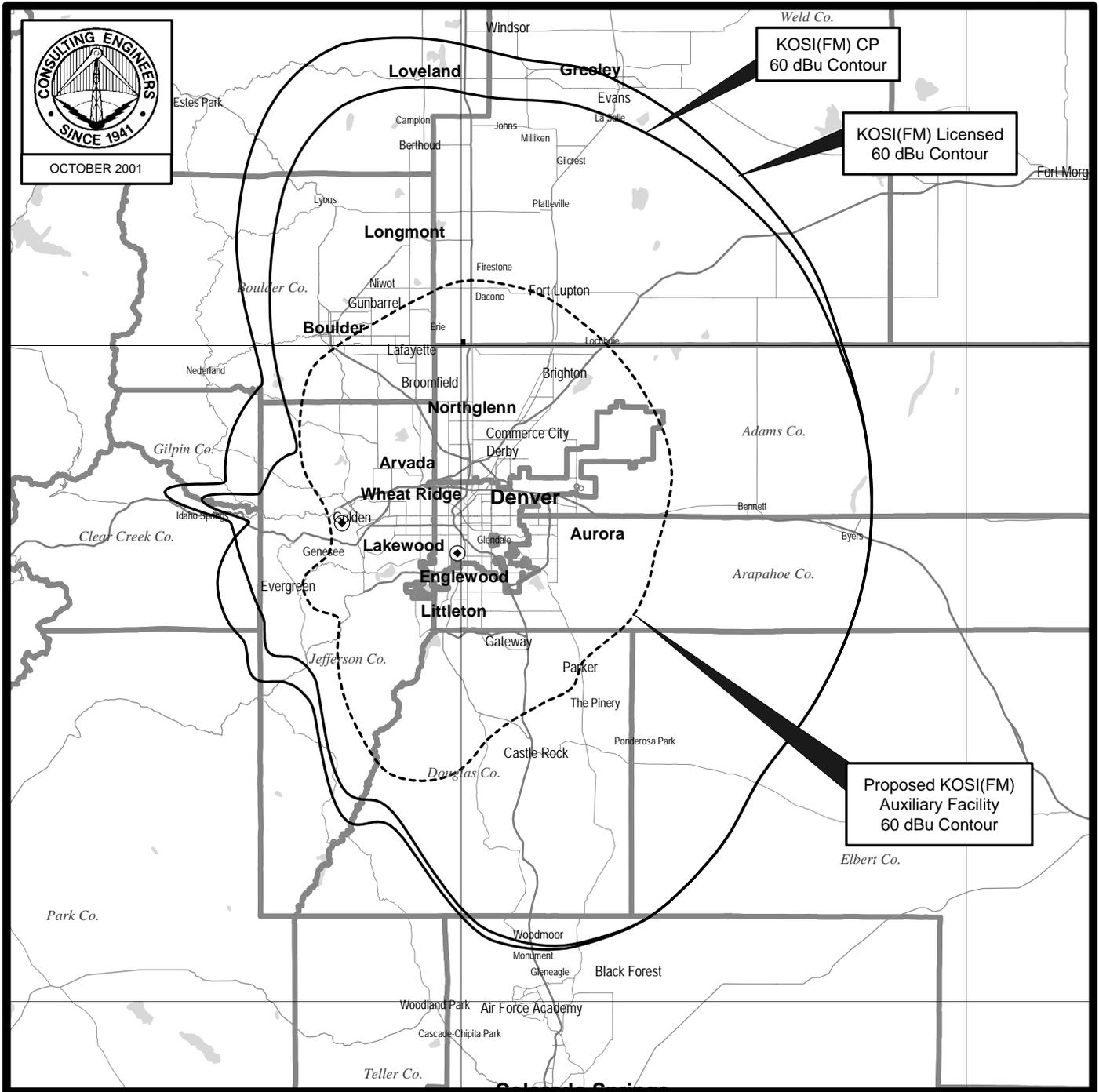
With respect to Special Operating Condition No. 2 listed on the KOSI(FM) auxiliary antenna construction permit concerning mounting on an existing AM antenna, it is stated that the existing FM transmitting antenna employed by KOSI(FM) has been side-mounted on the KCFR(AM) / KLVZ(AM) tower for at least 25 years. The antenna, transmission line and iso-coupler existing on the tower will not be disturbed and there will be no changes above the base of the KCFR(AM) / KLVZ(AM) tower. Therefore there would be no change in the antenna input resistance for either station. Both KCFR(AM) and KLVZ(AM) have prepared applications for license for the existing operation as recently as 2000. See BML-20001116ATX and BL-19980423KB, for KCFR(AM) and KLVZ(AM), respectively. Therefore, it is concluded

* See the attached Figure 1 depicting a 60 dBu coverage comparison of the KOSI(FM) auxiliary antenna facility with the KOSI(FM) main facility.

that since there are no changes above the base that would affect the KCFR(AM) or KLVZ(AM) operation, no action is required with respect to Special Operating Condition No. 2. It is requested, that the Commission delete Special Operating Condition No. 2 from the KOSI(FM) auxiliary antenna construction permit.

Louis Robert du Treil, Jr.

October 31, 2001



Scale 1:1 000 000

PREDICTED 60 dBu COVERAGE COMPARISON

KOSI(FM) AUXILIARY FACILITY DENVER, COLORADO

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