

MODIFY BPCDT-19991029AFW
EAGLE III BROADCASTING, LLC
KKCO-DT TELEVISION STATION
CH 12 DTV - 5.3 KW
GRAND JUNCTION, COLORADO
July 2002

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Eagle III Broadcasting, LLC (“Eagle”), licensee of VHF Television Station KKCO, Channel 11+, Grand Junction, Colorado, and permittee of KKCO-DT, Channel 12, Grand Junction, Colorado. Eagle herein proposes to modify its outstanding permit for KKCO-DT, by relocating the station approximately 0.1 kilometer (328 feet) from its authorized location, raising the antenna height above average terrain and decreasing the effective radiated power. No other changes are proposed.

KKCO’s digital operation on Channel 12 was allocated with a maximum effective radiated power of 10.8 kilowatts and an antenna height above average terrain of 429 meters. Due to the nature of the structure and site elevation, the DTV antenna system will have a height above average terrain of 451.5 meters. In addition, Eagle proposes to reduce the maximum effective radiated power of KKCO-DT from 10.8 kilowatts to 5.3 kilowatts.¹

1) Pursuant to §73.622(f)(3) of the rules, the height above average terrain can be increased, provided there is a corresponding reduction of effective radiated power. Based on the formula contained in §73.622(f)(3), the power must be reduced by 0.44 dB to compensate for the increase in height. Since the power of the proposed KKCO-DT is reduced by more than 3.0 dB, this proposal is in compliance with the above noted section. It is further noted that the Channel 12 DTV allotment had a minute amount of directionalization to match it to the analog Channel 11 operation. This was needed to match the NTSC due to the mountainous terrain to the southwest of the site (KKCO Channel 11 operates a non-directional antenna). However, the outstanding KKCO-DT permit specified operation at 10.8 kilowatts with a non-directional antenna. Although there was a de minimus extension of the 36 dBu contour, the impact to NTSC and DTV stations was not increased over the impact of the allocation. Similarly, while the proposed KKCO-DT facilities also result in a de minimus extension of the 36 dBu contour in some azimuths, which is attributed to terrain variations and the use of a non-directional antenna, the impact to any NTSC or DTV stations is not increased over that of the Channel 12 allotment.

Since Eagle is proposing to locate the KKCO-DT antenna system on a new tower, the Federal Aviation Administration has been apprised of this proposal. Once the FAA issues its Determination of No Hazard, the tower will be registered with the FCC. All required exhibits associated with FCC Form 301, Section III-D, are attached hereto. All other data used to certify the information contained in the application has been forwarded to Eagle and is available for submission to the Commission upon request.