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December 14, 1992

Ms. Donna R. Searcy
Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Amendment to File No. BMLET-921103KI;
Station KRMA-TV, Denver, Colorado

Dear Ms. Searcy:

On behalf of the Council for Public Television, Channel 6, Inc., we transmit herewith, in triplicate, an amendment to the referenced application for a modified license for noncommercial educational station KRMA-TV, Denver, Colorado. The amendment provides a new Section II-C of FCC Form 302, which corrects certain mistakes and discrepancies discovered in the materials originally filed.

Should any questions arise concerning this matter, kindly contact this office.

Very truly yours,

Todd D. Gray

Todd D. Gray

TDG/edh
Enclosure

six

KRMA-TV-Denver

1099 Bannock Street, Denver, Colorado 80204-4000 (303) 892-6666 Fax: (303) 620-5600

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

December 8, 1992

Federal Communications Commission
Washington, D.C. 20554

RE: AMENDMENT TO BMLET-921103KI

Dear FCC:

The Council for Public Television, Channel 6, Inc. hereby amends its pending application for a modified license for noncommercial educational station KRMA-TV, Denver, Colorado, reflecting the installation of a new transmitting antenna. The amendment provides substitute pages 7 and 8 of FCC Form 302 (Section II-C) which corrects certain mistakes and discrepancies contained in the pages as originally filed.

Respectfully submitted,

COUNCIL FOR PUBLIC TELEVISION,
CHANNEL 6, INC.

Donald D. Johnson

Donald D. Johnson
President and General Manager

DDJ/jo

Enclosures

**EXHIBIT 6a - Corrections Filed by KRMA-TV6
on December 14, 1992,
for Antenna Height and Location
(Pages 1-3)**

ENGINEERING STATEMENT OF KEITH G. BLANTON OF THE FIRM OF
KESSLER AND GEHMAN ASSOCIATES, CONSULTING ENGINEERS,
IN CONNECTION WITH AN AMENDMENT TO THE APPLICATION OF
THE COUNCIL FOR PUBLIC TELEVISION, CHANNEL 6, INC.
FOR A LICENSE TO OPERATE TELEVISION BROADCAST STATION KRMA-TV
ON CHANNEL 6 WITH AN EFFECTIVE RADIATED POWER OF 100 KILOWATTS
AT AN EFFECTIVE ANTENNA HEIGHT OF 268 METERS ABOVE AVERAGE TERRAIN
IN THE VICINITY OF DENVER, COLORADO.

I, Keith G. Blanton, am an associate of Kessler and Gehman Associates, Inc., with offices in Gainesville, Florida. I have been working in the field of radio and television consulting engineering since 1961. I graduated from Duke University in 1951 with a Bachelor of Science degree in Physics.

This firm has been employed by the Council for Public Television, Channel 6, Inc., licensee of KRMA-TV channel 6 at Denver, Colorado to prepare an amendment to the engineering portion of an application for license to notify the commission of the installation of a new omnidirectional antenna to replace the licensed omnidirectional antenna with no change in the antenna height above ground on the tower. KRMA-TV is licensed, File No. BLET-414, to radiate 100 kW ERP from a GE TY-60-C 3 section batwing omnidirectional antenna at 190 feet (58 meters) above ground on the tower at N. Latitude 39° 43' 47" W. Longitude 105° 14' 59". In accordance with Section 73.1690 of the FCC rules the GE antenna has been replaced with a new Harris TAB-5L-S omnidirectional antenna with the radiation center maintained at 190 feet (58 meters) above ground so that it does not increase the overall height of the licensed 213 foot tower structure. The transmitter power output has been adjusted to radiate 100 kW ERP and a proof of performance made in accordance with good engineering practice.

It had been determined in the course of making studies that the coordinates on file for the KRMA-TV tower are incorrect and in addition the ground elevation at the tower base represented by the KRMA license is also incorrect. An application for modification of construction permit has been prepared to make these corrections in the authorized operation of KRMA-TV.

KESSLER AND GEHMAN ASSOCIATES, INC.

Keith G. Blanton

Keith G. Blanton, Consultant

December 8, 1992

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KRMA-TV ... Public TV for the Rockies.



**EXHIBIT 6b - Corrections Filed by KRMA-TV6
on December 14, 1992,
for Antenna Height and Location
(Pages 4-5)**

SECTION 4-C License Application Engineering Data - TV Broadcast

Name of Applicant
COUNCIL FOR PUBLIC TELEVISION, CHANNEL 6, INC.

1. Facilities authorized in construction permit

Call Sign	Channel No.	File No. of Construction Permit	Frequency Band	Carrier Frequency
KRMA-TV	6	DNA	82 - 88 MHz	Visual 83.24 MHz Aural 87.74 MHz

Maximum Effective Radiated Power (visual)
in dB: 20.00 in kW: 100

Antenna height above average terrain
268 Meters

2. Station location (principal community)

State: COLORADO City or Town: DENVER

3. Transmitter location

State	County	City or Town	Street Address (for other identification)
CO	JEFFERSON	GOLDEN	855 COLORADO ROAD

4. Main Studio location

State	County	City or Town	Number and Street
CO	DENVER	DENVER	1089 BANNOCK STREET

5. Operating constants - Visual transmitter (peak)

Transmitter power output (after vestigial sideband filter, if used, and after multiplexer, if combined)	28.2 kW	Multiplexer loss in dB, if separate	INCL. dB	Input to transmission line	14.50 dB
Transmission line power loss	0.24 dB	Maximum antenna power gain	5.74 dB	Maximum effective radiated power	20.00 dB
Antenna input power	14.26 dB				100 kW

Does the transmitter comply with 47 C.F.R. Section 73.1680?
If No, describe fully in Exhibit No. ☒ YES ☐ NO

6. Antenna, Transmission Line and Multiplexer

Antenna make and type No. HARRIS TAB-4L-S

Maximum power gain	5.74 dB	Average (RMS) horizontal plane power gain	5.68 dB
Elevation of the top of antenna supporting structure above ground (including antenna and other appurtenances and lighting, if any)	65 Meters	Height of antenna radiation center above ground	58 Meters
Geographical Coordinates of antenna	2334 Meters		

North Latitude 39° 43' 47" West Longitude 105° 14' 59"

Is a directional antenna used? ☐ YES ☒ NO

Is electrical or mechanical beam tilting employed? ☒ YES ☐ NO

If either a directional antenna or one employing beam tilt is used, and the radiation patterns differ from those on file with the construction permit application, give full details in Exhibit No. A

Transmission Line

Make	Type No.	Coaxial or waveguide
ANDREW	HJB-50B	COAXIAL
See (nominal inside transverse dimensions)	Length	Power loss for this length
6.35 centimeters	58 Meters	0.24 dB

Multiplexer

Make	Type No.	Loss (if not included in transmitter power output)
HARRIS		Visual INCL. dB 0.032 dB

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SECTION 4-C, Page 2 License Application Engineering Data - TV Broadcast

7. Frequency measurements

Measured visual carrier frequency (specify at least to nearest 100 Hz) 83,239,994 Hz

Measured aural carrier center frequency (specify at least to nearest 100 Hz) 87,739,979 Hz

Give site measurements made and method used or frequency measurement service employed.

MEASUREMENTS MADE OCTOBER 13, 1992 BY FREQUENCY MEASURING SERVICE, INC.
P.O. BOX 353, COMMERCE CITY, CO

8. Performance Data

Have equipment performance measurements been taken in accordance with 47 C.F.R. Section 73.1590, demonstrating compliance with the Commission's transmission standards and transmission system requirements, and are those measurements available for submission to the Commission upon request?

☒ YES ☐ NO

If No, explain.

9. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

DNA

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) KEITH G. BLANTON	Signature (If not appropriate see below) <i>Keith G. Blanton</i>
Address (Include ZIP Code) KESSLER AND GEHMAN ASSOCIATES, INC 507 NW 60th STREET, SUITE C GAINESVILLE, FL 32607	Date DECEMBER 8, 1992
Telephone No. (Include Area Code) 904-332-3157	

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (Specify)

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June 1988

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