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MBC GRAND BROADCASTING COMPANY, INCORPORATED

PERMITTEE OF

K22JN-D CHANNEL 22

GRAND JUNCTION, COLORADO

FCC FACILITY ID # 182118

APPLICATION FOR A MINOR MODIFICATION OF CP FOR A

**NEW LOW POWER DIGITAL TV STATION ON CHANNEL 22 FOR
GRAND JUNCTION, COLORADO**

ENGINEERING EXHIBIT 13

November 12, 2012

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MBC BROADCASTING COMPANY, INCORPORATED

GRAND JUNCTION, COLORADO

APPLICATION FOR A MODIFICATION OF CP FOR A CONSTRUCTION PERMIT

FOR A NEW LPTV STATION ON CHANNEL 22

FOR GRAND JUNCTION, CO

EXHIBIT 13

FACILITIES REQUESTED

MBC GRAND REQUESTS EXPIDITED PROCESSING ON THIS APPLICATION AS THE UNDERLYING CP EXPIRES ON DECEMBER 08, 2012. MBC GRAND FULLY INTENDS TO COMPLETE REQUIRED CONSTRUCTION ON-TIME. THIS MINOR AMENDMENT IS TO SPECIFY A DIFFERENT MANUFACTURER FOR THE PROPOSED ANTENNA AND TO REDUCE THE ANTENNA C/R FROM 50 TO 37 METERS ABOVE GROUND. This minor amendment does not change the proposed service area and therefore there is no difference in protection ratios as previously calculated.

From the original application, as modified herein: MBC GRAND BROADCASTING INCORPORATED ("MBC GRAND"), is filing this application to request authority to construct

a new Low Power TV Station on Channel 22 for Grand Junction, Colorado, with an effective radiated power of 4.0 kW (DA) (H).

Pursuant to FCC Public Notice, DA 09-1487¹, this office, with assistance from Techware, Inc., had previously completed a Longley-Rice analysis of the proposed digital operation on TV Channel 22 with an ERP of 4.0 kW directional, a “Stringent” channel filter per 74.794, and that study showed that no prohibited interference will occur to any other authorized or pending full service and LPTV analog or digital station as required by 74.792 and 74.793. The results of the Longley-Rice Study can be supplied to the staff if needed. The proposed facilities on Channel 22 at 4.0 kW DA provide 41 dBu F(50,90) or better coverage over Grand Junction, CO.

CONCLUSIONS

By using the FCC recognized Longley-Rice terrain model and receiver antenna directivity, we have shown that the instant proposal for DTV operation on CH 22 meets the requirements for a DTV LPTV station and we believe that this proposal for a minor modification to the existing CP operation on Channel 22 should be GRANTED.

¹ See FCC DA09-1487, “COMMENCEMENT OF RURAL, FIRST COME, FIRST SERVED DIGITAL LICENSING FOR LOW POWER TELEVISION AND TV TRANSLAORS BEGINNING AUGUST 25, 2009 ET ALL”, released June 29, 2009.

