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MBC GRAND BROADCASTING COMPANY, INCORPORATED

LICENSEE OF

KMOZ-FM 100.7 MHZ

GRAND JUNCTION, COLORADO

FCC FACILITY ID # 81556

APPLICATION FOR A

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

ENGINEERING EXHIBIT 11

August 24, 2009

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MBC BROADCASTING COMPANY, INCORPORATED

GRAND JUNCTION, COLORADO

APPLICATION FOR A CONSTRUCTION PERMIT FOR

A NEW LPTV STATION ON CHANNEL 22

FOR GRAND JUNCTION, CO

EXHIBIT 11

FACILITIES REQUESTED

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., has 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 shows 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-

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

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 DTV LPTV operation on Channel 22 should be GRANTED.