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THE UNIVERSITY OF NORTH CAROLINA

LICENSEE OF W31AN

MURPHY, NORTH CAROLINA

FAC ID# 69154

FCC FILE # BLTT-19900730II

APPLICATION FOR A CONSTRUCTION PERMIT FOR

A DIGITAL FLASH CUT FOR W31AN

(MINOR CHANGE)

ENGINEERING EXHIBIT 11

July 5, 2006

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**THE UNIVERSITY OF NORTH CAROLINA
REASEARCH TRIANGLE PARK, NC
APPLICATION FOR A DIGITAL FLASH CUT FOR
W31AN
(MINOR CHANGE)**

EXHIBIT 11

FACILITIES REQUESTED

THE UNIVERSITY OF NORTH CAROLINA (UNCTV), is filing this application to request a Construction Permit for a digital flash cut for W31AN, Murphy, NC, with an effective radiated power of 0.5 kW (non-D), (H).

Pursuant to FCC Public Notice, DA 06-123 and Rules regarding digital LPTV stations, this office, with assistance from Techware, Inc., has completed a Longley-Rice analysis of the proposed digital operation on TV Channel 31 with an ERP of 0.5 kW, a “Stringent” channel filter per 74.794, and utilizing a non-directional antenna 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-Rice Study can be supplied to the staff if needed.

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 31 meets the requirements for a digital flash cut for W31AN, Channel 31 and we believe that this proposal for DTV operation of W31AN on Channel 31 should be GRANTED.