

**THE UNIVERSITY OF NORTH CAROLINA  
WUNC-TV  
DIGITAL "REPLACEMENT" TRANSLATOR  
RALEIGH, NORTH CAROLINA  
FAC ID# 69080**

**APPLICATION FOR LICENSE  
CONSTRUCTION PERMIT  
FCC FILE # BMPEDT-20100908AAI  
ENGINEERING EXHIBIT 7**

**JULY 5, 2011**

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**WUNC-TV “REPLACEMENT” TRANSLATOR**  
**DTV CHANNEL 30**  
**APPLICATION FOR LICENSE**  
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Digital “replacement” translator station WUNC-TV, Raleigh, North Carolina, has a construction permit (FCC file #BMPEDT-20100908AAI) that specifies an effective radiated power of 0.5 kilowatts with a transmitter output power of 0.06 kilowatts. Based upon the antenna system gains and losses the actual transmitter output power is 0.052 kilowatts to achieve the 0.5 kilowatts effective radiated power. Listed below for reference are the system gains and losses.

Description	Power in kW	Power in dBk
Effective Radiated Power	0.50	-3.01
Antenna Gain		+13.61
Transmission Line Loss		-3.77
Transmitter Output Power	0.052	-12.85