

THE UNIVERSITY OF NORTH CAROLINA

W42AX-D

DTV CHANNEL 42

BAKERSVILLE, NORTH CAROLINA

FCC FACILITY ID # 69040

APPLICATION FOR LICENSE

CONSTRUCTION PERMIT

FCC FILE # BDFCDTT-20090818ABC

ENGINEERING EXHIBIT 7

2 APRIL 2010

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Digital translator station W42AX-D, Bakersville, North Carolina, has a construction permit (FCC file #BDFCDTT-20090818ABC) that specifies an effective radiated power of 1.0 kilowatts with a transmitter output power of 0.1 kilowatts. Based upon the antenna system gains and losses the actual transmitter output power is 0.104 kilowatts to achieve the 1.0 kilowatts effective radiated power. Listed below for reference are the system gains and losses.

Description	Power in kW	Power in dBk
Effective Radiated Power	1.0	0.0
Antenna Gain		10.5
Transmission Line Loss		0.67
Transmitter Output Power	0.104	-9.83