

APPLICATION FOR STATION LICENSE
JOHNSON BROADCASTING VENTURES, D
W289BL FM TRANSLATOR STATION
CH 289D - 105.7 MHz - 0.03 KW
ROCKY MOUNT, NORTH CAROLINA
August 2010

EXHIBIT A

W289BL Transmission System Calculations

Effective Radiated Power: 0.03 kilowatt (H & V)

Antenna: SWR FMEC-1
LPFM Broadcast Antenna

Antenna System Power Gain: 0.46

Transmission Line: Andrew Corporation FSJ4-50B
(50 feet) 1/2 inch foam dielectric superflex
92.2% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 0.071 kilowatt (71 watts)

Facilities Authorized: Channel 289D - 105.7 MHz

Effective Radiated Power: 0.03 kilowatt (H & V)

Geographic Coordinates: North Latitude 35° 55' 55"
West Longitude 77° 44' 36"

Antenna Center of Radiation: Above Ground 9.0 meters
Above MSL 46.0 meters

Antenna Structure Registration #: N/A