

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: (50 feet)	Andrew Corporation FSJ4-50B 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