

APPLICATION FOR STATION LICENSE
SOUTHERN COMMUNICATIONS CORPORATION
W266AZ FM TRANSLATOR STATION
CH 266D - 101.1 MHZ - 0.250 KW
BECKLEY, WEST VIRGINIA
June 2010

EXHIBIT A

W266AZ Transmission System Calculations

Effective Radiated Power: 0.250 kilowatt (horizontal/vertical)

Antenna: Nicom BKG88-1
1 bay full wave spaced antenna
Power Gain 0.47

Transmission Line: Andrew Corporation LDF5-50A
(225 feet) 7/8 inch foam dielectric
82.5% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 0.6447 kilowatt (644.7 watts)

Facilities Authorized: Channel 266D - 101.1 MHz

Effective Radiated Power: 0.250 kilowatt (H/V)

Geographic Coordinates: North Latitude 37° 43' 26"
West Longitude 81° 11' 08"

Antenna Center of Radiation: Above Ground 59.0 meters
Above MSL 865.0 meters

Antenna Structure Registration #: N/A