

APPLICATION FOR STATION LICENSE

RTG RADIO, LLC

WQPW (FM) RADIO STATION

CH 239C2 - 95.7 MHZ - 32.0 KW

VALDOSTA, GEORGIA

August 2007

EXHIBIT A

WQPW Transmission System Calculations

Effective Radiated Power:

Horizontal

32.0 kilowatts

Vertical

32.0 kilowatts

Antenna:

Harris/Electronics Research, Inc.
FMH-5AE

5 bay full wavelength spaced

Antenna horizontal gain

2.7154

Transmission Line:

(600 feet)

Cablewave HCC300-50J

3 inch air dielectric

84.2% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

13.996 kilowatts

Facilities Authorized:

Channel 239C2 - 95.7 MHZ

Effective Radiated Power:

32.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 30° 42' 07"

West Longitude 83° 06' 54"

Antenna Center of Radiation:

Above Ground 188.0 meters

Above MSL 232.0 meters

HAAT 185.0 meters

Antenna Structure Registration Number:

1019857