

**APPLICATION FOR STATION LICENSE**  
**FRIENDS OF ST. SIMONS RADIO**  
**W248AH FM TRANSLATOR**  
**CH 248D - 97.5 MHZ - 0.120 KW**  
**BRUNSWICK, GEORGIA**  
**November 2004**

**EXHIBIT A**

**W248AH Transmission System Calculations**

Effective Radiated Power:	
Horizontal	0.120 kilowatt
Vertical	0.120 kilowatt
Antenna:	Electronics Research, Inc. 100-1 1 bay circularly polarized
Antenna System Power Gain	0.4150
Transmission Line: (150 feet)	Cablewave Systems FLC 12-50 1/2 inch air dielectric 79.2% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.365 kilowatts (365.0 watts)

---

Facilities Authorized:	Channel 248D - 97.5 MHz
Effective Radiated Power:	0.120 kilowatt (H/V)
Geographic Coordinates:	North Latitude 31° 11' 39" West Longitude 81° 29' 30"
Antenna Center of Radiation:	Above Ground 40.0 meters Above MSL 45.0 meters
Antenna Structure Registration #:	1002863