

APPLICATION FOR STATION LICENSE
GLYNN COUNTY, GEORGIA
WBHS-LP LOW POWER FM RADIO STATION
CH 285LP -104.9 MHZ - 0.057 KW
BRUNSWICK, GEORGIA
April 2012

EXHIBIT A

WBHS-LP Transmission System Calculations

Effective Radiated Power:	0.057 kilowatt (Horizontal)
Antenna:	Shively Labs 6812B-2 Two bay - full wave spaced antenna
Power Gain	0.99
Transmission Line:	Andrew Corporation LDF4-50A
(120 feet)	1/2 inch foam dielectric 82.4% Efficiency
(30 feet)	Andrew Corporation FSJ4-50B 1/2 inch foam dielectric 92.9% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0752 kilowatt (75.2 watts)

Facilities Authorized:	Channel 285LP - 104.9 MHz
Effective Radiated Power:	0.057 kilowatt (Horizontal)
Geographic Coordinates:	North Latitude 31° 10' 57" West Longitude 81° 28' 38"
Antenna Center of Radiation:	Above Ground 37.0 meters Above MSL 40.0 meters
Antenna Structure Registration #:	1232508