

APPLICATION FOR STATION LICENSE
RADIO TRAINING NETWORK, INC.
WLFS (FM) RADIO STATION
CH 220C3 - 91.9 MHZ - 23.5 KW (DA)
PORT WENTWORTH, GEORGIA
February 2009

EXHIBIT A

WLFS Transmission System Calculations

Effective Radiated Power:	
Horizontal	23.5 kilowatts
Vertical	23.0 kilowatts
Antenna:	Shively Labs 6810-6-DA 6 bay full wavelength spaced
Horizontal gain	5.762 Horizontal polarization (directional) 5.647 Vertical polarization (directional)
Transmission Line:	Andrew HJ7-50A
(320 feet)	1 5/8 inch air dielectric 86.4% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	4.7327 kilowatts

Facilities Authorized:	Channel 220C3 - 91.9 MHz
Effective Radiated Power:	23.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 32° 09' 28" West Longitude 80° 59' 31"
Antenna Center of Radiation:	Above Ground 99.0 meters Above MSL 105.0 meters HAAT 103.0 meters
Antenna Structure Registration #:	1252033