

APPLICATION FOR STATION LICENSE
REQUEST FOR PROGRAM TEST AUTHORITY
RADIO TRAINING NETWORK, INC.
WLFH (FM) RADIO STATION
CH 205C2 - 88.9 MHZ - 1.2 (H) / 45 (V) KW
CLAXTON, GEORGIA
August 2013

EXHIBIT A

WLFH Transmission System Calculations

Effective Radiated Power: 1.20 (Horizontal) / 45.0 (Vertical) Kilowatt

Antenna: Shively Labs
6025-3-2/2/2-Slant (12°)-Special-DA
Power Gain: 7.089

Transmission Line: Andrew HJ7-50A
(310 feet) 1 5/8 inch air dielectric
88.2% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 7.2 Kilowatts (7,200 watts)

Facilities Authorized:	Channel 205C2 - 88.9 MHZ
Effective Radiated Power:	1.20 (H) / 45.0 (V) Kilowatts
Geographic Coordinates:	North Latitude 32° 18' 06" West Longitude 81° 49' 57"
Antenna Center of Radiation:	Above MSL 123.0 meters HAAT 76.0 meters AGL 79.0 meters
ASRN:	1215193