

**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  
6025-3-2/2/2/2-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)

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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