

**APPLICATION FOR STATION LICENSE**  
**VOLT RADIO, LLC, AS TRUSTEE**  
**KYNF RADIO STATION**  
**CH 235C2 - 94.9 MHZ - 21.0 KW**  
**CEDARVILLE, ARKANSAS**  
**December 2011**

**EXHIBIT A**

**KYNF Transmission System Calculations**

Effective Radiated Power: 21.00 kilowatts (horizontal/vertical)

Antenna: ERI SHPX-10AC  
10 bay full wavelength spaced  
Horizontal gain 5.68 horizontal

Transmission Line: Andrew Corporation HJ7-50A  
(415 feet) 1 5/8 inch air dielectric  
82.4% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 4.49 kilowatts

Facilities Authorized: Channel 235C2 - 94.9 MHZ

Effective Radiated Power: 21.0 kilowatts (H/V)

Geographic Coordinates: North Latitude 35° 51' 00"  
West Longitude 94° 22' 59"

Antenna Center of Radiation: Above Ground 125.0 meters  
Above MSL 661.0 meters  
HAAT 231.0 meters

Antenna Structure Registration #: 1061759