

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