

APPLICATION FOR STATION LICENSE
RADIO LICENSE HOLDING CBC, LLC
WXKC (FM) AUXILIARY FACILITY
CH 260B - 99.9 MHz - 10.0 kW
ERIE, PENNSYLVANIA
June 2016

EXHIBIT A

WXKC (Auxiliary) Transmission System Calculations

Effective Radiated Power: 10.0 Kilowatts (Horizontal/Vertical)

Antenna: Shively
6813-3
3 bay full wavelength spaced antenna
Power Gain: 1.55

Transmission Line: 1 5/8 inch air dielectric
(121.9 meters / 400 feet)
Efficiency: 82.6%

Required Transmitter Power Output
To Reach Effective Radiated Power: 7.8 Kilowatts (7,800 watts)

Geographic Coordinates: North Latitude 42° 03' 21"
West Longitude 80° 02' 24"

Antenna Center of Radiation: AGL 56.0 meters
AMSL 443.0 meters
HAAT 111.0 meters

ASRN: 1026442