

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

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

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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