

**APPLICATION FOR STATION LICENSE**  
**CROSS COUNTRY COMMUNICATIONS, LLC**  
**WLKW-FM RADIO STATION**  
**CH 237A - 95.3 MHZ - 2.5 KW**  
**CELORON, NEW YORK**  
**November 2011**

**EXHIBIT A**

**WLKW-FM Transmission System Calculations**

Effective Radiated Power:	2.5 kilowatt (H/V)
Antenna:	Electronics Research LPX-4E-HW 4 bay half wavelength spaced
Power gain:	1.307
Transmission Line: (90 feet)	Andrew HJ7-50A 1 5/8 inch air dielectric 95.9% Efficiency
Coaxial Reducer:	Insertion loss: 0.05 dB 98.855% Efficiency
Transmission Line: (5 feet)	Andrew LDF5-50A 7/8 inch foam dielectric jumper 99.8% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	2.022 kilowatts (2,022 watts)

---

Facilities Authorized:	Channel 237A - 95.3 MHz
Effective Radiated Power:	2.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 42° 05' 46" West Longitude 79° 14' 35"
Antenna Center of Radiation:	Above Ground 47.0 meters Above MSL 466.0 meters HAAT 10.0 meters
Antenna Structure Registration #:	N/A