

**APPLICATION FOR STATION LICENSE**  
**PEG BROADCASTING, LLC**  
**WPBX (FM) RADIO STATION**  
**CH 257A - 99.3 MHZ - 1.4 KW**  
**CROSSVILLE, TENNESSEE**  
**July 2008**

**EXHIBIT A**

**WPBX Transmission System Calculations**

Effective Radiated Power:	
Horizontal	1.40 kilowatts
Vertical	1.40 kilowatts
Antenna:	Electronics Research, Inc. ("ERI") LPX-2E-HW 2 bay half wavelength spaced
Horizontal gain:	0.702
Transmission Line: (405 feet)	Andrew Corporation - HJ7-50A 1 5/8 inch air dielectric 82.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	2.4173 kilowatts

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Facilities Authorized:	Channel 257A - 99.3 MHz
Effective Radiated Power:	1.4 kilowatts (H/V)
Geographic Coordinates:	North Latitude 36° 01' 18" West Longitude 84° 58' 18"
Antenna Center of Radiation:	Above Ground 119.0 meters Above MSL 710.0 meters HAAT 174.0 meters
Antenna Structure Registration #:	1259617