

**APPLICATION FOR STATION LICENSE**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
**WKRZ FM RADIO STATION**  
**CH 253B - 98.5 MHZ - 9.0 kW - ND**  
**FREELAND, PENNSYLVANIA**  
**March 2014**

**EXHIBIT A**

**WKRZ Transmission System Calculations:**

Effective Radiated Power:	9.0 Kilowatts (H/V)
Antenna:	ERI LP-2C-HW 2 Bay half wavelength spaced
Power Gain:	702
System Losses	
Transmission Line: (435 feet)	Andrew HJ7-50A 1 5/8" air dielectric 0.892 dB loss - Total 0.205 dB loss / 100 ft
Transmitter Switch:	0.2 dB loss
Total Loss:	1.092 dB loss 77.768 % Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	16.48 Kilowatts (16,480 watts)

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Channel:	253B - 98.5 MHZ
Effective Radiated Power:	9.0 Kilowatts (H/V)
Geographic Coordinates:	North Latitude 41° 11' 56" West Longitude 75° 49' 06"
Antenna Center of Radiation:	AGL 112.0 meters AMSL 755.0 meters HAAT 341.0 meters
Antenna Structure Registration Number:	1026125