

**APPLICATION FOR NEW STATION LICENSE**  
**MONTEREY LICENSES, LLC**  
**WLOW (FM) RADIO STATION**  
**CH 300C2 - 107.9 MHZ - 24.0 KW**  
**PORT ROYAL, SOUTH CAROLINA**  
**February 2003**

**EXHIBIT A**

**WLOW Transmission System Calculations**

Effective Radiated Power:

Horizontal	24.0 kilowatts
Vertical	24.0 kilowatts

Antennas:

ERI SHPX-3AE  
3 bay half wavelength  
1.5588

Horizontal Gain

Transmission Line:  
(712 feet)

Andrew HJ8-50B  
3 inch air dielectric (flex)  
80.0 efficiency<sup>2</sup>

Required Transmitter Power Output  
To Reach Effective Radiated Power:

19.24 kilowatts

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Facilities Authorized:

Channel 300C2 - 107.9 MHz

Effective Radiated Power:

24.0 kilowatts (H/V)

Antenna Center of Radiation:

Above Ground	216.0 meters
Above MSL	222.0 meters
HAAT	221.2 meters

FCC Tower Registration Number:

1043968