

**APPLICATION FOR STATION LICENSE**  
**COMMUNITY BROADCASTERS, LLC**  
**W242CB FM TRANSLATOR**  
**CH 242D - 96.3 MHZ - 0.17 KW**  
**FLORENCE, SOUTH CAROLINA**  
**April 2016**

**EXHIBIT A**

**W242CB Transmission System Calculations**

Effective Radiated Power:	0.17 Kilowatt (Horizontal/Vertical)
Antenna:	Shively 6832-2 Two bay full wavelength antenna
Power Gain	0.86
Transmission Line: (500 feet / 152.4 meters)	Andrew LDF 5-50 7/8 inch foam dielectric 65.12 % Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.304 Kilowatt (304 watts)

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Facilities Authorized:	Channel 242D - 96.3 MHz
Effective Radiated Power:	0.17 Kilowatt (H/V)
Geographic Coordinates:	North Latitude 34° 12' 12" West Longitude 79° 51' 52"
Antenna Center of Radiation:	Above Ground 142.0 meters Above MSL 184.0 meters
Antenna Structure Registration #:	1238590