

**MODIFICATION OF STATION LICENSE**  
**VERO BEACH FM RADIO PARTNERSHIP**  
**WGNX (FM) RADIO STATION**  
**CH 259C2 - 99.7 MHZ -50.0 KW**  
**VERO BEACH, FLORIDA**  
**May 2004**

**EXHIBIT A**

**WGNX Transmission System Calculations**

Effective Radiated Power:

Horizontal	50.0 kilowatts
Vertical	50.0 kilowatts

Antenna:

Shively Labs 6810-5-SS  
5 bay half wavelength  
1.62

Horizontal gain

Transmission Line:  
(475 feet)

Andrew HJ11-50  
4 inch air dielectric  
88.4% efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power:

34.91 kilowatts

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Facilities Authorized:

Channel 259C2 - 99.7 MHz

Effective Radiated Power:

50.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 27° 44' 07"  
West Longitude 80° 27' 27"

Antenna Center of Radiation:

Above Ground	131.0 meters
Above MSL	137.0 meters
HAAT	134.0 meters

FCC Tower Registration Number:

1030532