

**MODIFY BLH-19971215KH**  
**QANTUM OF BRUNSWICK LICENSE COMPANY, LLC**  
**WYNR RADIO STATION**  
**CH 273C1 - 102.5 MHZ - 97.0 KW**  
**WAYCROSS, GEORGIA**  
**January 2010**

**EXHIBIT A**

**WYNR Transmission System Calculations**

Effective Radiated Power:	
Horizontal/Vertical	97.0 kilowatts
Antenna:	BE/Electronics Research, Inc. BESP-8AC6 8 bay full wavelength spaced
Horizontal gain	4.4872
Transmission Line:	Andrew Corporation HJ9-50
(800 feet)	5 inch air dielectric 86.3% Efficiency
Transmission Line:	Andrew Corporation MACX650
(227 feet)	6 inch air dielectric 97.6% Efficiency
Transmitter combiner:	ERI - Tee combiner Insertion loss : 0.310 db 93.111% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	27.56 kilowatts

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Facilities Authorized:	Channel 273C1 - 102.5 MHZ
Effective Radiated Power:	97.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 31° 09' 22" West Longitude 81° 58' 19"
Antenna Center of Radiation:	Above Ground 302.0 meters Above MSL 319.0 meters HAAT 303.0 meters
Antenna Structure Registration #:	1020334