

MODIFICATION OF BMLH-20100114ABU
QANTUM OF BRUNSWICK LICENSE COMPANY, LLC
WYNR (FM) RADIO STATION
CH 273C1 - 102.5 MHZ - 97.0 kW
WAYCROSS, GEORGIA
June 2014

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: (752 feet)	ERI MACX650 6 inch air dielectric 0.370 dB insertion loss
Transmission Line: (259) feet	Andrew Corporation MACX650 6 inch air dielectric 0.122 dB insertion loss
Transmitter combiner:	ERI - Tee combiner Insertion loss : 0.310 db
Total Attenuation:	0.862 db 81.997% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	26.36 kilowatts

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