

MODIFICATION OF STATION LICENSE
NEW AGE COMMUNICATIONS, LTD
WYMY RADIO STATION
CH 245C0 - 96.9 MHZ - 100.0 KW
GOLDSBORO, NORTH CAROLINA
July 2009

EXHIBIT A

WYMY Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	100.0 kilowatts (H/V)
Antenna:	Electronics Research, Inc. SHPX-8AC
	8 bay full wavelength spaced
Horizontal gain	4.487
Transmission Line:	Andrew HJ11-50
(1,015 feet)	4 inch air dielectric
	77.1% Efficiency
Coaxial switch:	Insertion loss: 0.01 dB
	99.8% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	28.96 kilowatts

Facilities Authorized:	Channel 245C0 - 96.9 MHz
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 35° 23' 52"
	West Longitude 78° 08' 07"
Antenna Center of Radiation:	Above Ground 309.0 meters
	Above MSL 337.0 meters
	HAAT 300.0 meters
Antenna Structure Registration #:	1007842