

APPLICATION FOR STATION LICENSE
PEG BROADCASTING, LLC
WOWC RADIO STATION
AUXILIARY ANTENNA SYSTEM
CH 287A - 105.3 MHZ - 0.85 KW
MORRISON, TENNESSEE
February 2009

EXHIBIT A

WOWC Auxiliary Transmission System Calculations

Effective Radiated Power: Horizontal/Vertical	0.85 kilowatt
Antenna:	SWR FMEC/2-DF
Horizontal gain	2 bay full wavelength spaced antenna 1.0
Transmission Line: (115 feet)	Andrew LDF5-50A 7/8 inch foam 90.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.939 kilowatt (939 watts)
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Facilities Authorized:	Channel 287A - 105.3 MHz
Effective Radiated Power:	0.85 kilowatt (H/V)
Geographic Coordinates:	North Latitude 35° 40' 51" West Longitude 85° 46' 32"
Antenna Center of Radiation:	Above Ground 26.0 meters Above MSL 325.0 meters HAAT -8.0 meters
Antenna Structure Registration #:	N/A