

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
WNFN RADIO STATION
CH 294C3 - 106.7 MHZ - 2.95 KW (DA)
MILLERSVILLE, TENNESSEE
April 2008

EXHIBIT A

WNFN Transmission System Calculations

Effective Radiated Power:	
Horizontal	2.95 kilowatts
Vertical	2.95 kilowatts
Antenna:	Electronics Research, Inc 1093-2CP-DA
Horizontal gain	2 bay full wavelength spaced 1.466 (directional)
Transmission Line: (1,065 feet)	Andrew HJ7-50A 1 5/8 inch air dielectric 59.2 % Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	3.399 kilowatts
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Facilities Authorized:	Channel 294C3 - 106.7 MHz
Effective Radiated Power:	2.95 kilowatts (H/V)
Geographic Coordinates:	North Latitude 36° 15' 50" West Longitude 86° 47' 39"
Antenna Center of Radiation:	Above Ground 233.0 meters Above MSL 476.0 meters HAAT 294.0 meters
Antenna Structure Registration #:	1224078