

**APPLICATION FOR STATION LICENSE**

**REAL MEDIA, INC.**

**WNNT-FM RADIO STATION**

**CH 298A - 107.5 MHZ - 6.0 KW**

**WARSAW VIRGINIA**

**October 2008**

**EXHIBIT A**

**WNNT-FM Transmission System Calculations**

Effective Radiated Power:

Horizontal	6.0 kilowatts
Vertical	6.0 kilowatts

Antenna:	Electronics Research, Inc. LPX-4E 4 bay full wavelength spaced
Horizontal gain	2.133

Transmission Line:	Andrew HJ7-50B
(500 feet)	1 5/8 inch air dielectric
	78.2% Efficiency

Required Transmitter Power Output To Reach Effective Radiated Power:	3.597 kilowatts
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Facilities Authorized:	Channel 298A - 107.5 MHz
Effective Radiated Power:	6.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 37° 56' 39" West Longitude 76° 45' 05"
Antenna Center of Radiation:	Above Ground 80.0 meters Above MSL 122.0 meters HAAT 100.0 meters
Antenna Structure Registration #:	1016852