

APPLICATION FOR STATION LICENSE
WDAS LICENSE LIMITED PARTNERSHIP
WRDW-FM RADIO STATION
CH 243B - 96.5 MHZ - 9.6 KW
PHILADELPHIA, PENNSYLVANIA
June 2007

EXHIBIT A

WRDW-FM Transmission System Calculations

Effective Radiated Power: Horizontal/Vertical	9.6 kilowatts
Antenna:	Electronics Research, Inc. 1087-4CP 4 bay full wavelength spaced antenna
Horizontal gain	1.760
Transmission Line: (1,120 feet)	Myat 4 1/16 inch air dielectric rigid 0.8067 dB 83.048% Efficiency
Transmission Line: (73 feet)	Myat 3 inch air dielectric rigid 0.056 dB 98.3% Efficiency
Transmitter combiner:	ERI - Constant Impedance 970 Insertion loss : 0.477 dB 89.598% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	7.457 kilowatts

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EXHIBIT A (Continued)

Facilities Authorized:	Channel 243B - 96.5 MHz
Effective Radiated Power:	9.6 kilowatts (H/V)
Geographic Coordinates:	North Latitude 40° 02' 30" West Longitude 75° 14' 11"
Antenna Center of Radiation:	Above Ground 314.0 meters Above MSL 403.0 meters HAAT 338.0 meters
Antenna Structure Registration #:	1231524