

APPLICATION FOR STATION LICENSE
AMEND BLH-20031017ACG
WXTU LICENSE LIMITED PARTNERSHIP
WXTU (FM) RADIO STATION
CH 223B - 92.5 MHZ - 15.0 KW (DA)
PHILADELPHIA, PENNSYLVANIA
March 2006

EXHIBIT A

WXTU Transmission System Calculations

Effective Radiated Power:	
Horizontal	15.0 kilowatts
Vertical	12.4 kilowatts
Antenna:	Tenneplex/Kathrein Model 756 664
	2 bay full wavelength (3 radiators per bay)
Horizontal gain	1.875
Vertical gain	1.553
Transmission Line:	Cablewave HCC-300-50J
(1,025 feet)	3 inch air dielectric
	74.4% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	10.75 kilowatts

Facilities Authorized:	Channel 223B - 92.5 MHz
Effective Radiated Power:	15.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 40° 02' 19"
	West Longitude 75° 14' 14"
Antenna Center of Radiation:	Above Ground 267.0 meters
	Above MSL 343.0 meters
	HAAT 279.0 meters
Antenna Structure Registration #:	1026755