

MODIFY BMLH-19910930KC
MID ATLANTIC NETWORK, INC.
WINC-FM RADIO STATION
AUXILIARY FM LICENSE
CH 223B - 92.5 MHZ - 21.5 KW
WINCHESTER, VIRGINIA
May 2007

EXHIBIT A

WINC-FM Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	21.5 kilowatts
Antenna:	Harris/Electronics Research, Inc. FMC-5 5 bay full wavelength antenna
Horizontal gain:	2.7154
Transmission Line:	Cablewave HCC158-50
(230 feet)	1 5/8 inch air dielectric 90.0% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	8.797 kilowatts

Facilities Authorized:	Channel 223B - 92.3 MHz
Effective Radiated Power:	21.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 38° 57' 21" West Longitude 78° 01' 30"
Antenna Center of Radiation:	Above Ground 39.0 meters Above MSL 706.0 meters HAAT 436.0 meters
Antenna Structure Registration #:	N/A