

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
WKXS-FM RADIO STATION
CH 233A - 94.5 MHZ - 3.8 KW (DA)
LELAND, NORTH CAROLINA
March 2006

EXHIBIT A

WKXS-FM Transmission System Calculations

Effective Radiated Power:	
Horizontal	3.80 kilowatts
Vertical	3.80 kilowatts
Antenna:	Electronics Research, Inc. LP-2E-DA-HW 2 bay half wavelength spaced
Horizontal gain	1.284 (directional)
Transmission Line:	Andrew Corp - HJ7-50A
(421 feet)	1 5/8 inch air dielectric 82.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	3.595 kilowatts

Facilities Authorized:	Channel 233A - 94.5 MHz
Effective Radiated Power:	3.8 kilowatts (H/V)
Geographic Coordinates:	North Latitude 34° 12' 35" West Longitude 77° 56' 53"
Antenna Center of Radiation:	Above Ground 128.0 meters Above MSL 131.0 meters HAAT 127.0 meters
Antenna Structure Registration #:	1006096