

APPLICATION FOR STATION LICENSE
APEX BROADCASTING, INC.
WFFN RADIO STATION
CH 237C2 - 95.3 MHZ - 17.5 KW
COALING, ALABAMA
May 2005

EXHIBIT A

WFFN Transmission System Calculations

Effective Radiated Power:	
Horizontal	17.5 kilowatts
Vertical	17.5 kilowatts
Antenna:	Electronics Research, Inc. MP-4C-HW 4 bay half wavelength spaced antenna
Horizontal gain	1.307
Transmission Line: (647 feet)	Andrew Corp. HJ 12-50 2 1/4 inch air dielectric 78.2% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	17.122 kilowatts

Facilities Authorized:	Channel 237C2 - 95.3 MHz
Effective Radiated Power:	17.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 33° 03' 15" West Longitude 87° 32' 57"
Antenna Center of Radiation:	Above Ground 194.0 meters Above MSL 330.0 meters HAAT 256.0 meters
Antenna Structure Registration #:	1036764