

APPLICATION FOR STATION LICENSE
APEX BROADCASTING, INC.
WIOP RADIO STATION
CH 240C2 - 95.9 MHZ - 50.0 KW
ISLE OF PALMS, SOUTH CAROLINA
June 2009

EXHIBIT A

WIOP Transmission System Calculations

Effective Radiated Power:	50.0 kilowatts (H/V)
Antenna:	Electronics Research, Inc. SHPX-4AC 4 bay full wavelength spaced antenna
Antenna gain:	2.1332
Transmission Line: (731 feet)	Andrew HJ11-50 4 inch air dielectric 83.1% Efficiency
AM Isocoupler:	Electronics Research, Inc. Model 426 Insertion loss: 0.025 dB 99.426% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	28.368 kilowatts

Facilities Authorized:	Channel 240C2 - 95.9 MHz
Effective Radiated Power:	50.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 32° 49' 27" West Longitude 80° 00' 10"
Antenna Center of Radiation:	Above Ground 108.0 meters Above MSL 109.0 meters HAAT 107.0 meters
Antenna Structure Registration #:	1263009