

APPLICATION FOR STATION LICENSE
APEX BROADCASTING, INC.
KTSR RADIO STATION
CH 221C3 - 92.1 MHZ - 13.5 KW
DE QUINCY, LOUISIANA
September 2006

EXHIBIT A

KTSR Transmission System Calculations

Effective Radiated Power:	
Horizontal	13.5 kilowatts
Vertical	13.5 kilowatts
Antenna:	Electronics Research, Inc. LPX-6AC 6 bay full wavelength
Horizontal Gain	3.3028
Transmission Line:	Cablewave HCC312-50
(461 feet)	3 ½ inch air dielectric 89.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	4.566 kilowatts

Facilities Authorized:	Channel 221C3 - 92.1 MHz
Effective Radiated Power:	13.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 30° 13' 16" West Longitude 93° 18' 40"
Antenna Center of Radiation:	Above Ground 133.0 meters Above MSL 137.0 meters HAAT 137.0 meters
Antenna Structure Registration #:	1209257