

**APPLICATION FOR STATION LICENSE**  
**APEX BROADCASTING, INC.**  
**KTSR RADIO STATION**  
**CH 221C3 - 92.1 MHZ - 13.5 KW**  
**DE QUINCY, LOUISIANA**  
**September 2004**

**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: (461 feet)	Andrew Corporation HJ8-50B 3 inch air dielectric 89.5% Efficiency
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Required Transmitter Power Output To Reach Effective Radiated Power:	4.566 kilowatts
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Facilities Authorized:	Channel 221C3 - 92.1 MHz
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Effective Radiated Power:	13.5 kilowatts (H/V)
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Geographic Coordinates:	North Latitude 30° 13' 24" West Longitude 93° 18' 36"
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Antenna Center of Radiation:	Above Ground 133.0 meters Above MSL 137.0 meters HAAT 137.0 meters
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Antenna Structure Registration #:	1209257
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