

APPLICATION FOR STATION LICENSE
CAPSTAR TX LIMITED PARTNERSHIP
W260BJ FM TRANSLATOR STATION
CH 260D - 99.9 MHZ - 0.250 KW
TUPELO, MISSISSIPPI
September 2007

EXHIBIT A

W260BJ Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.250 kilowatt
Vertical	0.250 kilowatt
Antenna:	Scala Electronics CA5-FM-CP 5 element circularly polarized yagi antenna
Antenna System Power Gain	3.981
Transmission Line: (300 feet)	Andrew LDF4-50A 7/8 inch foam dielectric 77.5% Efficiency
Other Losses:	Scala Starpoint 0.8 dB insertion loss 83.176% Efficiency Kintronics Isocoupler 0.2 dB insertion loss 95.499% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.10201 kilowatt (102.0 watts)

Facilities Authorized:	Channel 260D - 99.9 MHz
Effective Radiated Power:	0.250 kilowatt (H/V)
Geographic Coordinates:	North Latitude 34° 15' 18" West Longitude 88° 41' 24"
Antenna Center of Radiation:	Above Ground 46.0 meters Above MSL 124.0 meters
Antenna Structure Registration :	1043847