

APPLICATION FOR STATION LICENSE
CAPSTAR TX LIMITED PARTNERSHIP
W266BC FM TRANSLATOR STATION
CH 266D - 101.1 MHZ - 0.250 KW
TUPELO, MISSISSIPPI
September 2007

EXHIBIT A

W266BC Transmission System Calculations

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|---|---|
| Effective Radiated Power: | |
| Horizontal | 0.250 kilowatt |
| Vertical | 0.250 kilowatt |
| Antenna: | Scala Electronics CA5-FM-CP-RM 5 element circularly polarized yagi antenna |
| Antenna System Power Gain | 3.981 |
| Transmission Line: | Andrew LDF4-50A |
| (300 feet) | 7/8 inch foam dielectric 77.4% Efficiency |
| Other Losses: | Scala Starpoint 0.8 dB insertion loss 83.176% Efficiency |
| | Kintronic Isocoupler 0.2 dB insertion loss 95.499% Efficiency |
| Required Transmitter Power Output To Reach Effective Radiated Power: | 0.10214 kilowatt (102.1 watts) |

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|---------------------------------|--|
| Facilities Authorized: | Channel 266D - 101.1 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 |