

APPLICATION FOR STATION LICENSE
BROADSOUTH COMMUNICATIONS, INC.
WDXX (FM) RADIO STATION
CH 261C2 - 100.1 MHZ - 41.0 KW
SELMA, ALABAMA
July 2012

EXHIBIT A

WDXX Transmission System Calculations

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|---|---|
| Effective Radiated Power: | 41.0 kilowatts (horizontal/vertical) |
| Antenna: | Electronics Research Model SHPX-5AE 5 bay full wavelength spaced antenna |
| Horizontal gain | 2.7154 |
| Transmission Line: (550 feet) | Andrew Corporation HJ8-50B 3 1/8 inch air dielectric 83.8% Efficiency |
| Required Transmitter Power Output To Reach Effective Radiated Power: | 18.0 kilowatts |
| ----- | |
| Facilities Authorized: | Channel 261C2 - 100.1 MHZ |
| Effective Radiated Power: | 41.0 kilowatts (H/V) |
| Geographic Coordinates: | North Latitude 32° 22' 54" West Longitude 86° 56' 37" |
| Antenna Center of Radiation: | Above Ground 161.0 meters Above MSL 199.0 meters HAAT 149.0 meters |
| Antenna Structure Registration #: | 1274192 |