

APPLICATION FOR STATION LICENSE
BLUEWATER BROADCASTING COMPANY, LLC
WQKS-FM RADIO STATION
CH 241A - 96.1 MHZ - 0.9 KW
MONTGOMERY, ALABAMA
February 2013

EXHIBIT A

WQKS-FM Transmission System Calculations

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|---|------------|--|
| Effective Radiated Power: | | 0.9 kilowatt (horizontal/vertical) |
| Antenna: | | Dielectric DCR-M2E5 2 bay half wavelength spaced circular |
| Power Gain: | | 0.75 |
| Transmission Line: | (728 feet) | Andrew LDF5-50A 1 5/8 inch air dielectric 71.2% Efficiency |
| Combiner: | | SPX 4FM-Channel 0.75 dB Loss 84.14% Efficiency |
| Transmission Line(s): | (20 feet) | Andrew LDF5-50A 7/8 inch foam dielectric 98.4% Efficiency |
| | (60 feet) | Andrew HJ7-50A 1 5/8 inch air dielectric 97.2% Efficiency |
| Required Transmitter Power Output To Reach Effective Radiated Power: | | 2.094 kilowatts (2,094 watts) |

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|------------------------------|-------------------------|--------------|
| Facilities Authorized: | Channel 241A - 96.1 MHZ | |
| Effective Radiated Power: | 0.9 kilowatt (H/V) | |
| Geographic Coordinates: | North Latitude | 32° 22' 03" |
| | West Longitude | 86° 15' 42" |
| Antenna Center of Radiation: | Above MSL | 306.0 meters |
| | HAAT | 250.0 meters |