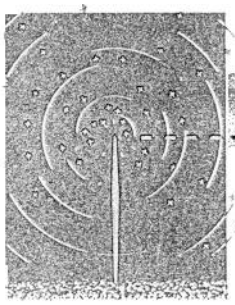


WHEELER BROADCAST CONSULTING

## *Engineering Statement*

Form 301-FM
Sedalia Investment Group, LLC
KPOW-FM, La Monte, MO

This consultant has been retained by Sedalia Investment Group, LLC, Licensee of KPOW-FM in La Monte, Missouri, for the purpose of preparing Form 301-FM in application for a 1 step, Class C1, upgrade to its presently authorized facilities.

KPOW is licensed to operate on Channel 246 C3. As of this filing, KPOW-FM will have been ordered to Channel 249 C2 via a Rule Making, RM-10017, Docket 00-129. A full search of the Commission's June 21, 2001 FM database reveals that Channel 249 C1 has become available at La Monte, MO as a result of the series of channel substitutions set forth in RM-10017. A copy of the database search is included in this report as Exhibit 1. As shown in Exhibit 1, KPOW-FM will be fully spaced to all co-channel and adjacent channel radio stations once the channel substitutions at Warsaw, MO, Malta Bend, MO, and Nevada, MO are completed[1]. Inasmuch as the proposed site is fully compliant with the minimum spacing requirements of 47 CFR 73.207 and the principal community coverage requirements of 47 CFR 73.315, the proposed site is suitable as the allocation reference location.

The proposed transmitter site is not located in any environmentally sensitive area nor in any area of historical significance. The construction will be limited to the erection of the proposed tower structure and a small transmitter shelter at its base. Sufficient three phase power is presently in place along route YY which is adjacent to the site so no significant utility construction will be required. An analysis of non ionizing RF Radiation has been prepared and, even when the worst case formulas prescribed by OST Bulletin Number 65 are employed the power density at the tower base was found to be well below current ANSI maximums. A copy of that analysis is included in this report as Exhibit 2.

3718 W. 52nd TERRACE
SHAWNEE MISSION, KS
66205 913.831.1622

[1] Channel 246 A is being substituted for Channel 249 A at Warsaw, MO, Channel 248 A is being substituted for Channel 249 A at Nevada, MO, and Channel 280 C3 is being substituted for Channel 248 C3 at Malta Bend, MO. See RM10017.

Sedalia Investment Group, LLC further pledges to reduce power or cease operation, as necessary, so as to protect any maintenance workers from occupational overexposure to excessive levels of non ionizing RF Radiation. In light of the above facts, the proposed operation is excluded from environmental processing under 47 CFR 1.1306.

The Central Regional Offices of the FAA have been notified of the proposed tower construction via Form 7460-1 and, upon receipt of the No Hazard determination, Form 854R will be filed with the Commission for tower registration.

All information contained in this report is true and accurate to the best of my belief. Having had numerous matters before the Commission, my qualifications are a matter of record.

6/21/01
Date

R. Lee Wheeler

Wheeler Broadcast Consulting
3718 W. 52nd Terrace Shawnee Mission KS 66205
Matthewson Broadcasting Company
La Monte MO

Exhibit 1

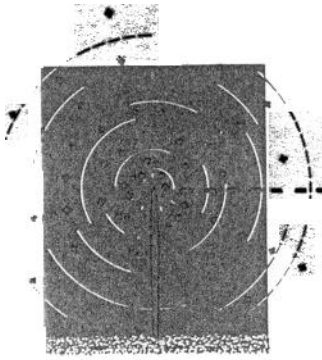
REFERENCE
39 03 10 N
93 16 01 W

CLASS = C1
Current Spacings
Channel 249 - 97.7 MHz

DISPLAY DATES
DATA 06-21-01
SEARCH 06-21-01

| Call | Channel | Location | | Dist | Azi | FCC | Margin |
|---|---|---|---|---|---|---|---|
| N. Lat. | W. Lng. | | Power | | HAAT | | |
| RADD | ADD 249C2 | La Monte | MO | 29.10 | 160.1 | 224.0 | -194.90 |
| 38 48 23 | 93 09 08 | | 50.000 kW | | 150 M | | |
| | | | RM10017 | | | | |
| KAYQ | LIC 249A | Warsaw | MO | 85.12 | 182.5 | 200.0 | -114.88 |
| 38 17 12 | 93 18 34 | CN | 3.900 kW | | 73 M | | |
| Valkyrie Broadcasting, Inc | | | BMLH19900518KB | | | | |
| KRLI | LIC 248C3 | Malta Bend | MO | 36.76 | 341.4 | 144.0 | -107.24 |
| 39 21 59 | 93 24 12 | CN | 3.400 kW | | 268 M | | |
| Kanza, Inc. | | | BLH19961106KC | | | | |
| KNMOFM | LIC 249A | Nevada | MO | 164.28 | 216.6 | 200.0 | -35.72 |
| 37 51 37 | 94 22 54 | CN | 3.000 kW | | 90 M | | |
| Harbit Communications, Inc | | | BLH19840919BY | | | | |
| KPOWFM | LIC 246C3 | La Monte | MO | 41.80 | 178.6 | 76.0 | -34.20 |
| 38 40 35 | 93 15 18 | CN | 25.000 kW | | 100 M | | |
| Sedalia Investment Group L | | | BLH19981117KC | | | | |
| KUDL | LIC 251C | Kansas City | KS | 105.45 | 271.6 | 105.0 | 0.45 |
| 39 04 24 | 94 29 06 | E | 100.000 kW | | 303 M | | |
| Entercom Kansas City Licen | | | BMLH20000524AAY | | | | |
| KFBDFM | CP 250C3 | Waynesville | MO | 146.25 | 146.9 | 144.0 | 2.25 |
| 37 56 50 | 92 21 18 | CN | 10.000 kW | | 157 M | | |
| Fidelity Broadcasting, Inc | | | BPH19990521IN | | | | |
| ALLO | VAC 250C3 | Waynesville | MO | 146.25 | 146.9 | 144.0 | 2.25 |
| 37 56 50 | 92 21 18 | | 25.000 kW | | 100 M | | |
| | | | RM | | | | |
| RADD | ADD 246A | Warsaw | MO | 79.28 | 187.5 | 75.0 | 4.28 |
| 38 20 41 | 93 23 10 | | 6.000 kW | | 100 M | | |
| | | | RM10017 | | | | |
| KFMZ | LIC 252C2 | Columbia | MO | 89.13 | 108.8 | 79.0 | 10.13 |
| 38 47 28 | 92 17 43 | CN | 23.500 kW | | 217 M | | |
| Contemporary Broadcasting, | | | BLH19910124KA | | | | |
| RADD | ADD 247C2 | Moberly | MO | 91.16 | 59.8 | 79.0 | 12.16 |
| 39 27 41 | 92 21 03 | | 50.000 kW | | 150 M | | |
| | | | RM9909 | | | | |
| KICKFM | LIC 250C2 | Palmyra | MO | 171.15 | 62.2 | 158.0 | 13.15 |
| 39 45 26 | 91 29 58 | C | 43.000 kW | | 162 M | | |
| Bick Broadcasting Company | | | BLH20001016ABT | | | | |
| KOTMFM | LIC 249C3 | Ottumwa | IA | 228.94 | 16.7 | 211.0 | 17.94 |
| 41 01 28 | 92 28 56 | CN | 19.000 kW | | 112 M | | |
| Fmc Broadcasting, Inc. | | | BLH19981009KE | | | | |
| RADD | ADD 249C2 | Potasi | MO | 245.55 | 118.5 | 224.0 | 21.55 |
| 37 58 30 | 90 48 30 | | 50.000 kW | | 150 M | | |
| | | | RMbg-24 | | | | |
| KCSX | LIC 247C3 | Moberly | MO | 98.24 | 64.1 | 76.0 | 22.24 |
| 39 26 02 | 92 14 24 | CN | 25.000 kW | | 100 M | | |

| Call | Channel | Location | | Dist | Azi | FCC | Margin |
|---|---|---|---|---|---|---|---|
| N. Lat. | W. Lng. | | Power | | HAAT | | |
| RADD | ADD 247C3 | Madison | MO | 101.68 | 66.6 | 76.0 | 25.68 |
| 39 24 37 | 92 10 58 | | 25.000 kW | | 100 M | | |
| | | | RM10017 | | | | |
| RADD | ADD 248A | Nevada | MO | 161.10 | 215.5 | 133.0 | 28.10 |
| 37 52 06 | 94 20 01 | | 6.000 kW | | 100 M | | |
| | | | RM10017 | | | | |
| RADD | ADD 249A | Burlingon | KS | 229.74 | 245.4 | 200.0 | 29.74 |
| 38 10 08 | 95 39 07 | | 6.000 kW | | 100 M | | |
| | | | RM10017 | | | | |
| RADD | ADD 247C1 | Summit | MO | 115.04 | 271.5 | 82.0 | 33.04 |
| 39 04 20 | 94 35 45 | | 100.000 kW | | 299 M | | |
| | | | RM10017 | | | | |
| KFBDFM | LIC 250A | Waynesville | MO | 166.06 | 144.7 | 133.0 | 33.06 |
| 37 49 42 | 92 10 27 | CN | 3.000 kW | | 79 M | | |
| Fidelity Broadcasting, Inc | | | BMLH19950221KB | | | | |
| RDEL | DEL 249C3 | Potasi | MO | 245.55 | 118.5 | 211.0 | 34.55 |
| 37 58 30 | 90 48 30 | D | 25.000 kW | | 100 M | | |
| | | | RMbg-24 | | | | |
| KHCR | LIC 249C3 | Potosi | MO | 249.91 | 118.4 | 211.0 | 38.91 |
| 37 57 31 | 90 45 47 | CN | 6.000 kW | | 207 M | | |
| Four Him Enterprises, L.l. | | | BLH19970428KA | | | | |
| KIIC.C | CP 250C2 | Lamoni | IA | 201.59 | 346.2 | 158.0 | 43.59 |
| 40 48 52 | 93 50 15 | CN | 50.000 kW | | 150 M | | |
| Lifestyle Communications C | | | BMPH19981022IA | | | | |
| KIIC | LIC 250C2 | Lamoni | IA | 201.59 | 346.2 | 158.0 | 43.59 |
| 40 48 52 | 93 50 15 | C | 50.000 kW | | 150 M | | |
| Lifestyle Communications C | | | BLH19990804KI | | | | |
| KDAA | LIC 248A | Rolla | MO | 178.25 | 132.3 | 133.0 | 45.25 |
| 37 57 50 | 91 45 54 | CN | 6.000 kW | | 89 M | | |
| Kdaa-kmoz, Llc | | | BLH19950417KA | | | | |
| WBBAFM | APP 248B1 | Pittsfield | IL | 218.39 | 72.8 | 161.0 | 57.39 |
| 39 36 24 | 90 50 12 | CX | 10.000 kW | | 228 M | | |
| Brown Radio Group Inc | | | BPH20010208AAU | | | | |
| KQMO | LIC 249A | Shell Knob | MO | 258.06 | 187.8 | 200.0 | 58.06 |
| 36 44 55 | 93 39 32 | C | 2.100 kW | | 170 M | | |
| Magic Circle Radio, Inc. | | | BLH19990913AAC | | | | |
| KQMO.C | CP 249A | Shell Knob | MO | 258.09 | 187.8 | 200.0 | 58.09 |
| 36 44 54 | 93 39 32 | CN | 2.100 kW | | 170 M | | |
| Magic Circle Radio, Inc. | | | BMPH19981002ID | | | | |
| WBBAFM | LIC 248B1 | Pittsfield | IL | 220.88 | 73.8 | 161.0 | 59.88 |
| 39 34 53 | 90 47 52 | CN | 10.000 kW | | 93 M | | |
| Brown Radio Group Inc | | | BLH19890821KE | | | | |



WHEELER BROADCAST CONSULTING

*Exhibit 2*

## *Analysis of Non Ionizing RF Radiation*

In accordance with the order of Docket 79-144, as adopted January 1, 1986, the following analysis of human exposure to non ionizing RF radiation has been performed. All calculations were made using the worst case formulas prescribed by OST Bulletin Number 65 at a height 2 meters above the tower base.

### I. Facilities

KPOW-FM
97.7 MHz
100 kW H & V
288.3 m AGL

### II. Calculations

KPOW-FM

$$s = \frac{(0.64)\ (EIRP)}{\pi\ R^2}$$

$$s = \frac{(0.64)(1.64)(100{,}000 + 100{,}000)W(1000)\ mW/W}{\pi\ ((286.3)(100cm/m))^2}$$

$s = 0.0815\ mW/cm^2$

ANSI Max = 0.2 $mW/cm^2$

% of ANSI Max = 40.76%

3718 W. 52nd TERRACE
SHAWNEE MISSION, KS.
66205 913.831.1622

## III Conclusion

As the above calculations indicate, the worst case power density at the tower base falls well below ANSI maximums. This effectively precludes inadvertent passive overexposure by members of the public. Further precautions are to be put in place as well. The site is to be posted with signs warning of hazards due to high voltage and RF Radiation so as to discourage trespassers from putting themselves at risk. Additionally plans will be developed, based on the downward radiation characteristics of the FM broadcast antenna, so as to establish minimum safe distances at various power levels so as to protect agents and employees of the licensee from occupational overexposure. Tower maintenance will be performed only after sufficient power reductions are made so as to protect workers or work will be scheduled at night when a complete cessation of the operation can be accomplished.