| Digital Monitoring Pro | | | Test Number: | 080529 | he entenne gei | in dDi |
|------------------------|--------------------|-------------------------|--|------------------------|------------------------------|-----------|
| MPE Calculator | | EIRP for calculation. E | | TX power added to t | the antenna gail | n in dBi. |
| | | in compared to an iso | tropic radiator. | | | |
| | S – power d | lensity in mW/cm^2 | | | | |
| | | | | Anto | nna Cain (dRi) | |
| | | Output Power | | dBd + 2.17 = dBi | nna Gain (dBi) dBi to dBd | 2. |
| Tx Frequency (MHz) | 913 | | | | na Gain (dBd) | -2.1 |
| IX Trequency (MI12) | 313 | waximum (watts) | 0.2300 | Antei | ina Gain (ubu) | -2.1 |
| Cable Loss (dB) | 0.0 | (dBm) | 23.77 | Antenna mir | nus cable (dBi) | 0.0 |
| | 0.0 | (ubiii) | 20.17 | 7 41001114 1111 | | 0.0 |
| Calculate | d ERP (mw) | 144,403 | | EIRP = Po(dBM) + | Gain (dB) | |
| Calculated EIRP (mw) | | | | Radiated (EIRP) dBm | | 23.76 |
| | | | | ERP = EIRP - 2.17 | | |
| Occupational Limit | | Power density (S) | 1 | Radiated (ERP) dBm | | 21.59 |
| 3.04333 | mW/cm ² | EIRP | | | | |
| 0101000 | | = mW/cm^2 | | | | |
| General P | ublic Limit | 4 π r^2 | | | | |
| 0.60867 | mW/cm ² | r (cm) EIRP (mW) | | | | |
| 0.00007 | mw/cm | - | | | | |
| | | ECC radio frequenc | J cy radiation exposur | e limits ner 1 1310 | | |
| | | Frequency (MHz) | Occupational Limit | Public Limit | | |
| | | 300-1,500 | f/300 | f/1500 | | |
| | | 1,500-10,000 | 5 | 1 | | |
| | | ., | - | | | |
| | | FCC radio frequenc | y radiation exposur | e limits per 1.1310 | | |
| | | | Occupational Limit | | | |
| | | | @ Tx Freq | Public Limit @ Tx Freq | | |
| | | Frequency (MHz) | (mW/cm^2) | (mW/cm^2) | | |
| | | 300-1,500 | 3.043333333 | 0.608666667 | | |
| | | 1,500-10,000 | 5 | 1 | | |
| | | | | | | |
| | | EIRP | Distance | Distance | S | Distance |
| | | milliwatts | cm | inches | mW/cm ² | Feet |
| | | 238.000 | 300.00 | 118.11 | 0.00021 | 9.84 |
| | | 238.000 | 225.00 | 88.58 | 0.00037 | 7.38 |
| | | 238.000 | 200.00 | 78.74 | 0.00047 | 6.56 |
| | | 238.000 | 150.00 | 59.06 | 0.00084 | 4.92 |
| | | 238.000 | 100.00 | 39.37 | 0.00189 | 3.28 |
| | | 238.000 | 90.00 | 35.43 | 0.00234 | 2.95 |
| | | 238.000 | 80.00 | 31.50 | 0.00296 | 2.62 |
| | | 238.000 | 70.00 | 27.56 | 0.00387 | 2.30 |
| | | 238.000 | 60.00 | 23.62 | 0.00526 | 1.97 |
| | | 238.000 | 50.00 | 19.69 | 0.00758 | 1.64 |
| | | 238.000 | 40.00 | 15.75 | 0.01184 | 1.31 |
| | | 238.000 | 30.00 | 11.81 | 0.02104 | 0.98 |
| | | 238.000 | 20.00 | 7.87 | 0.04735 | 0.66 |
| | | 238.000 | 10.00 | 3.94 | 0.18939 | 0.33 |
| | | 238.000 | 9.00 | 3.54 | 0.23382 | 0.30 |
| | | 238.000 | 8.00 | 3.15 | 0.29593 | 0.26 |
| | | 238.000 | 7.00 | 2.76 | 0.38652 | 0.23 |
| | | 238.000 | 5.60 | 2.20 | 0.60394 | 0.18 |
| | | 238.000 | 2.50 | 0.98 | 3.03031 | 0.08 |
| | | | | | | |
| | | | O a superior a la la la la | | | |
| | | | Occupational Limit minimum Distance | Public Limit minimum | | |
| | | Frequency (MHz) | (cm / inches) | distance (cm / inches) | | |
| | | 300-1,500 | 2.5 / 0.98 | 5.6 / 2.2 | | |
| | | | | | | |

Rogers Labs, Inc.Digital Monitoring Products, Inc.4405 West 259th TerraceModel: XT50FCC ID#: CCKPC0096Louisburg, KS 66053Test #:080529SN: ENG1IC: 5251A-PC0096Phone/Fax: (913) 837-3214Test to: FCC Parts 2 and 15.247, RSS-210Page 1 of 1
Date: 6/18/2008