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|----------------------------|---|--|--|--|--|--|
| DMP | Model: PC-0181 | Test Number: | 151124 | | | |
| MPE Calculator | MPE uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi. dBi = dB gain compared to an isotropic radiator. S = power density in mW/cm ² | | | | | |
| | | Output Power | dBd + 2.17 = dBi | Antenna Gain (dBi) | 1 | |
| Tx Frequency (MHz) | 915 | Maximum (Watts) | 0.154000 | dBi to dBd | 2.2 | |
| | | | | Antenna Gain (dBd) | -1.17 | |
| Cable Loss (dB) | 0.0 | (dBm) | 21.9 | Antenna minus cable (dBi) | 1.00 | |
| | Calculated ERP (mw) | 117.631 | EIRP = Po(dBm) + Gain (dB) | Radiated (EIRP) dBm | 22.875 | |
| | Calculated EIRP (mw) | 193.875 | ERP = EIRP - 2.17 dB | Radiated (ERP) dBm | 20.705 | |
| | Power density (S) EIRP ----- = mW/cm ² 4 π r ² EIRP (mW), r (cm) | | | | | |
| | Occupational Limit | FCC radio frequency radiation exposure limits per 1.1310 | | | | |
| 3.05 | mW/cm ² | Frequency (MHz) | Occupational Limit (mW/cm ²) | Public Limit (mW/cm ²) | | |
| 30.5 | W/m ² | 300-1,500 | £300 | £1500 | | |
| | General Public Limit | 1,500-10,000 | 5 | 1 | | |
| 0.61 | mW/cm ² | | | | | |
| 6.1 | W/m ² | | | | | |
| | Occupational Limit | IC radio frequency radiation exposure limits per RSS-102 | | | | |
| 0.6455 ^{f0.5} | W/m ² | Frequency (MHz) | Occupational Limit (W/m ²) | Public Limit (W/m ²) | | |
| 19.52571 | W/m ² | 100-6,000 | 0.6455 ^{f0.5} | | | |
| | General Public Limit | 6,000-15,000 | 50 | | | |
| 0.02619 ^{f0.6834} | W/m ² | 48-300 | | 1.291 | | |
| 2.76675 | W/m ² | 300-6,000 | | 0.02619 ^{f0.6834} | | |
| | | 6,000-15,000 | 50 | 10 | | |
| EIRP | S | S | Distance | Distance | Distance | Distance |
| milliwatts | mW/cm ² | W/m ² | cm | meter | inches | Feet |
| 193.875 | 0.00190 | 0.01905 | 90.00 | 0.90 | 35.43 | 2.95 |
| 193.875 | 0.00241 | 0.02411 | 80.00 | 0.80 | 31.50 | 2.62 |
| 193.875 | 0.00315 | 0.03149 | 70.00 | 0.70 | 27.56 | 2.30 |
| 193.875 | 0.00429 | 0.04286 | 60.00 | 0.60 | 23.62 | 1.97 |
| 193.875 | 0.00617 | 0.06171 | 50.00 | 0.50 | 19.69 | 1.64 |
| 193.875 | 0.00964 | 0.09643 | 40.00 | 0.40 | 15.75 | 1.31 |
| 193.875 | 0.01714 | 0.17142 | 30.00 | 0.30 | 11.81 | 0.98 |
| 193.875 | 0.03857 | 0.38570 | 20.00 | 0.20 | 7.87 | 0.66 |
| 193.875 | 0.15428 | 1.54280 | 10.00 | 0.10 | 3.94 | 0.33 |
| 193.875 | 0.24106 | 2.41063 | 8.00 | 0.08 | 3.15 | 0.26 |
| 193.875 | 0.27428 | 2.74276 | 7.50 | 0.075 | 2.95 | 0.25 |
| 193.875 | 0.59316 | 5.93158 | 5.10 | 0.051 | 2.01 | 0.17 |
| 193.875 | 0.96425 | 9.64253 | 4.00 | 0.040 | 1.57 | 0.13 |
| 193.875 | 1.94005 | 19.40049 | 2.82 | 0.028 | 1.11 | 0.09 |
| 193.875 | 2.91645 | 29.16454 | 2.30 | 0.023 | 0.91 | 0.08 |
| 193.875 | 3.85701 | 38.57011 | 2.00 | 0.020 | 0.79 | 0.07 |
| 193.875 | 15.42804 | 154.28044 | 1.00 | 0.010 | 0.39 | 0.03 |
| | | | | | | |
| | | Frequency (MHz) | Occupational Limit minimum Distance (meters) | Occupational Limit minimum Distance (inches) | Public Limit minimum distance (meters) | Public Limit minimum distance (inches) |
| | | 47CFR 1.1310 | 0.02 | 0.91 | 0.05 | 2.00 |
| | | RSS-102 | 0.03 | 1.11 | 0.08 | 2.95 |

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Revision 1

Digital Monitoring Products, Inc.
Model: PC-0181
Test #: 151124
Test to: 47CFR (15.247), RSS-247
File: PC0181 RFExp

SN: ENG1
FCC ID: CCKPC0181
IC: 5251A-PC0181
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