



Carlson Wireless Technologies, Inc.  
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## Maximum Permissible Exposure Limits

### MPE Calculations

|   |                                                  |           |          |             |
|---|--------------------------------------------------|-----------|----------|-------------|
| P | Transmit Power (mW):                             | 199.57    |          |             |
| G | Max Antenna Gain (dB):                           | 9         | 7.943282 | Linear Gain |
| R | Distance (cm):                                   | 22        | 8.66     | inches      |
| S | Power Density (mW/cm <sup>2</sup> ):             | 0.295     |          |             |
|   | Limits for General Public (mW/cm <sup>2</sup> ): |           |          |             |
|   | 473 MHz                                          | 0.3153333 |          |             |
|   | 587 MHz                                          | 0.3913333 |          |             |
|   | 695 MHz                                          | 0.4633333 |          |             |
|   | f = 30 - 300 MHz                                 | 0.2       |          |             |
|   | f = 300 - 1500 MHz                               | f/1500    |          |             |

**Adjust R until S < limits above**  
**Based on FCC OET Bulletin 65**

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