

|  |                             |                                 |                    |                |
|--|-----------------------------|---------------------------------|--------------------|----------------|
| <b>Airgo 802.11a/b/g/ True MIMO Type 3b mini PCI module</b>  |                             |                                 |                    |                |
| <b>FCC ID:</b>   | SA3- AGN1012MP0200          |                                 |                    |                |
| <b>RF Hazard Distation Calculation</b>   |                             |                                 |                    |                |
| <b>mW/cm2 from Table1:</b>   | <b>1.00</b>                 | (E: 61 V/m)                     |                    |                |
| <b>Max RF Power</b><br>P, dBm  | <b>TX Antenna</b><br>G, dBi | <b>MPE</b><br>Safe Distance, cm | <b>MPE, inches</b> | <b>Comment</b> |
| <b>29.4</b>  | <b>3.0</b>                  | <b>11.7</b>                     | <b>4.6</b>         | g mode max     |
| <b>26.0</b>  | <b>4.0</b>                  | <b>8.9</b>                      | 3.5                | a mode max     |
| <b>20.0</b>  | <b>0.0</b>                  | <b>2.8</b>                      | 1.1                |                |
| <b>Basis of Calculations:</b>  |                             |                                 |                    |                |
| $E^2/3770 = S, \text{ mW/cm}^2$  |                             |                                 |                    |                |
| $E, \text{ V/m} = (\text{Pwatts} * \text{Ggain} * 30)^{.5} / \text{d}, \text{ meters}$   |                             |                                 |                    |                |
| $d = ((\text{Pwatts} * \text{G} * 30) / 3770 * S)^{.5}$ $\text{Pwatts} * \text{Ggain} = 10^{(\text{Pd} \text{Bm} - 30 + \text{GdBi}) / 10}$                            |                             |                                 |                    |                |
| <b>NOTE: For mobile or fixed location transmitters, minimum separation distance is for FCC compliance is 20 cm, even if calculations indicate MPE distance is less</b> |                             |                                 |                    |                |