



MAX LIGHT

MEASUREMENT REPORT

Maximum Permissible Exposure

EUT : Compex Wireless-G Network Mini-PCI Adapter

Applicant : Compex Inc.
840 Columbia Street, Suite B, Brea,
CA92821, USA

Manufacturer : Compex Inc.
840 Columbia Street, Suite B, Brea,
CA92821, USA

Model No : iWavePort WLM54G 1A / iWavePort WLM54G 1B

FCC ID : M8KCPX-05-WLM54G

Basis of Calculations:

$$E^2/3770 = S, \text{ mW/cm}^2$$

$$E, \text{ V/m} = (P_{\text{watts}} \cdot G_{\text{gain}} \cdot 30)^{0.5} / d, \text{ meters}$$

$$d = ((P_{\text{watts}} \cdot G \cdot 30) / (3770 \cdot S))^{0.5} \quad P_{\text{watts}} \cdot G_{\text{gain}} = 10^{(P_{\text{dBm}} - 30 + G_{\text{dBi}}) / 10}$$

Test Result:

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm ²)	MPE Limit (mW/cm ²)
16.02	2.0	0.0126	1

NOTE: For mobile or fixed location transmitters, minimum separation distance is 20cm, even if calculations indicate MPE distance is less.