



# 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:*

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

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

$$d = ((Pwatts * G * 30) / (3770 * S))^{0.5} \quad Pwatts * G_{gain} = 10^{(Pd_{Bm} - 30 + Gd_{Bi}) / 10}$$

#### *Test Result:*

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
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.*