



# MAX LIGHT

## MEASUREMENT REPORT

### Maximum Permissible Exposure

EUT : Wireless-G Broadband Router

Applicant : IOGEAR, Inc.  
23 Hubble Drive ,Irvine ,CA 92618

Manufacturer : Advance Multimedia Internet Technology Inc.  
NO.32,Hwan-Gong Rd. Yung Kang City,  
Tainan Hsien, Taiwan

Model No : GWA504

FCC ID : QLEGWA504

#### *Basis of Calculations:*

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

$$E, \text{ V/ m} = (\text{Pwatts} * \text{Ggain} * 30)^{.5} / d, \text{ meters}$$

$$d = ((\text{Pwatts} * \text{G} * 30) / 3770 * S)^{.5} \quad \text{Pwatts} * \text{Ggain} = 10^{(\text{Pd} - 30 + \text{GdBi}) / 10}$$

#### *Test Result:*

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
10.67	1.80	0.00351	1

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