



MAX LIGHT

MEASUREMENT REPORT

Maximum Permissible Exposure

EUT : Wireless USB Dongle Card

Applicant : AMBIT MICROSYSTEMS CORPORATION.
5F-1, 5 Hsin-An Road, Hsinchu
Science-Based Industrial Park, Taiwan

Manufacturer : AMBIT MICROSYSTEMS CORPORATION.
5F-1, 5 Hsin-An Road, Hsinchu
Science-Based Industrial Park, Taiwan

Model No : K12H006 / U10H010

FCC ID : MCLU10H010

Basis of Calculations:

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

$$E, \text{ V/m} = (\text{Pwatts} \times \text{Gain} \times 30)^{0.5} / d, \text{ meters}$$

$$d = ((\text{Pwatts} \times \text{Gain} \times 30) / 3770 \times S)^{0.5} \quad \text{Pwatts} \times \text{Gain} = 10^{(\text{Pd} - 30 + \text{Gd}) / 10}$$

Test Result:

Max RF Power (dBm)	TX Antenna Gain (dBi)	MPE Safe Distance(cm)
11.92	1.72	1.4

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