



MAX LIGHT

MEASUREMENT REPORT

Maximum Permissible Exposure

EUT : USB Wireless

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 : 60519W

FCC ID : MCL60519W

Basis of Calculations:

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

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

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

Test Result:

Max RF Power (dBm)	TX Antenna Gain (dBi)	MPE Safe Distance(cm)
16.10	-0.41	1.72

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