Maximum Permissible Exposure

EUT   : mpci wireless module

Applicant   : Mikrotikls SIA
  Pernavas 46 LV-1009 Riga Latvia

Manufacturer   : Compex Systems Pte Ltd.
  135, Joo Seng Road, #08-01 PM Industrial
  Building Singapore 368363

Model No   : R52

FCC ID   : TV7R52

Basis of Calculations:

$E^2/3770 = S$, mW/cm2

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

$d = ((Pwatts*G*30)/3770*S))^{0.5}$ $Pwatts*Ggain = 10^{(PdBm-30+GdBi)/10}$

Test Result:

802.11a

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm^2)	MPE Limit (mW/cm^2)
15.61	2.0	0.0910	1

802.11b

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm^2)	MPE Limit (mW/cm^2)
15.77	2.0	0.0940	1

802.11g

Max RF Power (dBm)	TX Antenna Gain (dBi)	Testing Result (mW/cm^2)	MPE Limit (mW/cm^2)
11.16	2.0	0.0326	1

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