

Tecom										
FCC ID: D6XWM5347N										
2,4 GHz WiFi										
3.65 GHz Part 90Z										
Calculate mW/cm2 here. Enter frequency in MHz:										
Calculation of Limits from 1.1310 Table 1										
Controlled										
Uncontrolled										
Ave 6 min										
Ave 30 min										
mW/cm2 from Table1:										
2.4 GHz WiFi										
3.65 GHz 90Z										
F(MHz)										
Actual F, MHz										
0.3-3										
0.5										
100.0										
100.0										
Max RF Power										
TX Antenna										
MPE distance										
S, mW/cm@										
Comment										
3.0 - 30.0										
5										
30.0-300										
55										
300-1500										
902										
1500-100000										
5555										
5.0										
1.0										
22.56										
0.00										
3.8										
0.036										
2.4GHz										
pbc antenna										
20.13										
6.21										
5.9										
0.086										
3.65 GHz										
custom internal										
Total @ 20cm										
0.122										
Enter P(mW)										
Equivalent dBm										
Enter dBm										
Equivalent Watts										
Basis of Calculations:										
895.4										
29.52										
29.52										
895.4										
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)										
S@20cm = 20 log (MPE dist/20cm)										
NOTE: For mobile or fixed location transmitters, minimum separation distance is for FCC compliance is 20 cm,										
even if calculations indicate MPE distance is less										