

For 5.736 to 5.814GHz :

Field strength :111.16dBuV/m

Ant Gain=3.2dBi

Ant number :2

Total Ant gain=3.2+10log2=6.2dBi

Pt=(0.3614x3)x(0.3614x3)/(30x4.17)=9.4mW

For 2402-2480MHz:

Ouput power is 1.26mW

The distance between user and EUT is at least 20cm .

5.736 to 5.814GHz is the worse case :

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2} \quad \text{Equipment}$$

Manufacturer

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

So S=39.2/(4*3.14*20*20)=0.0078<1mW/cm²