MPE Calculation Method

 $E (V/m) = (30*P*G)^{0.5}/d$

Power Density: Pd $(W/m2) = E^2/377$

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

 $Pd = (30*P*G) / (377*d^2)$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well

 ${\tt Calculated\ Result\ and\ Limit(WORSE\ CASE\ IS\ AS\ BELOW)}$

WIFI

Antenna	Peak Output	Power Density	Limit of Power	Test
Gain	Power (mW)	(S) (mW/cm2)	Density (S)	Result
(Numeric)			(mW/cm2)	
1	25.823	0.00514	1	Compiles
	(14.12dBm)			

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Antenna	Peak Output	Power Density	Limit of Power	Test
Gain	Power (mW)	(S) (mW/cm2)	Density (S)	Result
(Numeric)			(mW/cm2)	
1	3.4 (5.31dBm)	0.0007	1	Compiles

0.00514+ 0.0007=0.00584<1